

OSMANIA UNIVERSITY, HYDERABAD.
PUBLICATIONS OF THE NIZAMIAH OBSERVATORY.

ASTROGRAPHIC CATALOGUE
1900·0.

HYDERABAD SECTION
(PART II.)

DEC. -20° to -24° .

FROM PHOTOGRAPHS TAKEN AND MEASURED AT THE NIZAMIAH
OBSERVATORY, HYDERABAD.

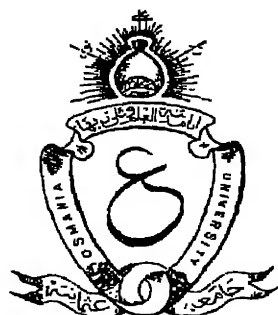
UNDER THE DIRECTION OF
T. P. BHASKARAN, M.A., F.R.A.S.

VOL. VII.

MEASURES OF RECTANGULAR CO-ORDINATES
AND DIAMETERS OF 88,506 STAR-IMAGES

ON PLATES WITH CENTRES IN

DEC. -23° .



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HYDERABAD ASTROGRAPHIC CATALOGUE.

1900·0.

VOL. VII.

INTRODUCTION.

I.—GENERAL.

A more detailed introduction to all the volumes of the Catalogue is given in Vol. I. of this series. Only such portions have been repeated here as require modification from Zone to Zone or appear necessary in explaining the contents of this volume. The work on the "carte du ciel" Catalogue was commenced at the Nizamiah Observatory about twenty years ago, and the first volume of measures was issued in 1918. The present volume (Vol. VII.) contains the measures of star-images on plates with centres in Dec. -23° and forms the concluding volume of the Catalogue in the Hyderabad section of the "carte du ciel." No change has been made in the methods of observation and reduction, in which, as has been mentioned before in Vol. I., the strictest economy has been practised; and the arrangement of results is in all respects similar to that in the previous volumes of this series. Some discussions relating to the Hyderabad Astrographic Catalogue, as a whole, will be given in detail in a subsequent volume, Vol. VIII., which is in course of preparation.

For a short historical account of the work, and for the list of persons who have taken part in it, reference may be made to the introduction to Vol. I. and Vol. V.

II.—THE INSTRUMENT.

See Introduction to Vol. I. p. vi.

III.—PHOTOGRAPHIC.

All the plates for this zone have been given three exposures—with the exception of two plates which were given only two—the telescope being displaced by about $30''$ in declination between the exposures. Photographs have been taken only on clear dark nights in complete absence of moonlight. The lengths of the exposure times have slightly varied with the quality of the plates employed, but for the great majority of the photographs the duration of the primary exposure was 12^m , while the second and the third exposures were for 6^m and 40^{secs} respectively.

The following table shows the class of plate used and also the particular batch from which it was taken:—

Limiting plates.	Class and makers' number.
1853-1891	Elliott's "Stella" B 483
1892-1964	" " D 515
1965-2038	" " B 528
2039-2094	" " D 544
2242	" " A 586
2395-2418	" " A 605
2514-2572	" " C 671

All the plates for this volume have been developed by Mr Bappu. The developers used are shown in the following table:—

Plate number.	Developer.
1853-2023 } 2210 }	Pyro soda.
2029-2091	Metol hydrokinone.
2094	Amidol.
2240-2572	Metol hydrokinone.

As in the former zones of this Catalogue, no special effort was taken to secure large numbers of stars in the richer regions. The first plate of an area which was centred approximately correct and showed measurable round images was generally accepted. But in the poorer regions reasonable effort has been made to obtain an adequate number of stars. A large number of plates contain between 200 and 400 stars, while there is none having less than 100.

Two réseaux were employed in the course of work on this zone:

1. A Gautier réseau kindly lent by the Kodaikanal Observatory. This has been used for plates with numbers between 1853 and 2077.

2. A réseau made by M. Prin, Paris, used for the rest of the plates.

The Gautier réseau is ruled to the standard scale (the value of one réseau interval being 5 mm.); as the focal length of the Hyderabad photographic telescope requires a spacing of 4.915 mm., this involves scale value corrections of about $\cdot 0175$ times the measured co-ordinates. The réseau made by M. Prin has been ruled with intervals equal to 4.915 mm., to suit the focal length of the astrograph; the scale value corrections are thus very small and easily applied.

The réseau was imprinted on the plates after exposure at the telescope, but before development, by exposing to light from an electric lamp at a distance of about 18 feet from the plate holder; the réseau and the film being separated by an edging of moderately thick paper.

The following table gives the particulars of the plates used for the present volume.

The *first* column is the number of the plate in the Hyderabad series.

The *second* column gives the year and its fraction to three decimal places corresponding to the astronomical day on which the exposures were made.

The *third* column gives the approximate R.A. of the plate centre.

The *fourth* column gives the hour angle of the plate centre corresponding to the middle of the exposure which was subsequently measured. Clock corrections have been applied to obtain Hyderabad Sidereal time to 1 sec., but the result is given to the nearest minute.

The *fifth* column gives the duration of the exposures; the image due to the longest exposure was measured in all cases except two, viz. Plate No. 1897, R.A. $6^h 36^m$ and Plate No. 1991, R.A. $16^h 52^m$, when the images corresponding to the second exposure were measured, the first image being badly guided and found otherwise defective.

The *sixth* column indicates the observer who guided the telescope; a second observer was always present to assist in setting the instrument, recording time, etc. For the significance of the several initials, see list in Section 1 of the Introduction to the previous volumes of this series.

The *seventh* column shows which of the measuring micrometers was used. Each measurer used the same instrument throughout. In machine No. 1 the plates for the southern zones have to be measured with the glass side towards the object-glass of the microscope.

The *eighth* column gives the initial of the measurer. Each plate was measured in both positions, direct and reverse, by the same measurer.

The *ninth* column gives the number of stars measured. In the richer regions, where plates obviously contained a very large number of stars, measurers were instructed to omit all the faintest stars.

The *tenth* column shows the ratio of the number of stars measured on the plate to the number found in the corresponding area of the Cape Photographic Durchmusterung. The mean value of this ratio for zone -23° is 5.3.

The *eleventh* column gives the number of stars used for deriving the plate constants. The stars were taken from the "Catálogo de 15975 estrellas -22° A' -27° " (1900.0) published by the Cordoba Observatory.

List of Plates in the Present Volume. Centres in Dec. —23°.

No. of plate.	Year and fraction, 1900+.	R.A. of centre.		Hour angle.		Exposures.			Observer.	Instru-ment.	Measurer.	No. of stars.	Ratio to C.T.D.	No. i Cordo
		h	m	h	m	m	m	s						
1853	21.887	0	4	0	45 E.	12,	6,	40	A.	1	S.	187	5.5	29
1856	21.890	0	12	0	50 E.	12,	6,	40	R.	3	A.	269	9.3	25
1857	21.890	0	20	0	15 E.	12,	6,	40	R.	3	N.	215	8.0	26
1854	21.887	0	28	0	40 E.	12,	6,	40	A.	1	S.	217	4.1	30
1860	21.893	0	36	1	37 E.	12,	6,	40	N.	3	A.	227	4.0	34
1855	21.887	0	44	0	13 E.	12,	6,	40	A.	1	R.	239	4.8	31
1858	21.890	0	52	0	20 E.	12,	6,	40	R.	4	M.	217	5.4	29
1861	21.893	1	0	0	32 E.	12,	6,	40	S.	4	M.	244	6.5	29
1859	21.890	1	8	0	5 E.	12,	6,	40	R.	3	A.	217	6.2	29
1867	21.898	1	16	0	51 E.	12,	6,	40	N.	3	A.	149	5.0	32
1862	21.893	1	24	1	28 E.	12,	6,	40	N.	4	M.	214	7.1	24
1863	21.893	1	32	1	5 E.	12,	6,	40	S.	1	R.	231	10.5	29
1871	21.901	1	40	0	7 E.	12,	6,	40	M.	3	N.	208	9.9	22
1868	21.898	1	48	0	54 E.	12,	6,	40	R.	1	S.	182	7.0	29
1865	21.895	1	56	0	8 E.	12,	6,	40	M.	3	A.	230	5.9	33
1869	21.898	2	4	1	5 E.	12,	6,	40	N.	4	M.	159	7.2	18
1872	21.901	2	12	0	5 E.	12,	6,	40	M.	1	R.	219	9.1	24
1880	21.977	2	20	0	23 W.	12,	6,	40	M.	3	A.	196	6.3	25
1887	21.980	2	28	0	34 E.	12,	6,	40	R.	4	M.	219	5.8	27
2395	27.005	2	36	0	50 W.	12,	6,	40	R.	3	N.	153	5.9	19
1873	21.901	2	44	0	11 E.	12,	6,	40	M.	3	N.	249	5.9	35
1870	21.898	2	52	1	6 E.	12,	6,	40	R.	4	M.	232	5.7	39
1901	21.988	3	0	0	19 W.	12,	6,	40	M.	1	S.	218	5.8	31
1888	21.980	3	8	0	43 E.	12,	6,	40	M.	3	A.	211	6.0	26
1874	21.901	3	16	0	17 E.	12,	6,	40	M.	1	R.	215	4.6	25
1876	21.904	3	24	0	33 E.	12,	6,	40	N.	3	A.	199	7.4	19
1889	21.980	3	32	0	29 E.	12,	6,	40	R.	4	M.	215	5.2	31
1877	21.904	3	40	0	15 E.	12,	6,	40	N.	1	R.	228	5.2	37
1881	21.977	3	48	0	35 E.	12,	6,	40	M.	1	S.	254	5.0	36
1882	21.977	3	56	0	0	12,	6,	40	M.	3	A.	231	5.5	26
1902	21.988	4	4	0	16 E.	12,	6,	40	R.	3	N.	284	7.3	27
1878	21.904	4	12	0	14 E.	12,	6,	40	N.	4	M.	222	3.0	36
1890	21.980	4	20	0	53 E.	12,	6,	40	M.	1	R.	275	3.2	34
1879	21.904	4	28	0	7 W.	12,	6,	40	N.	4	M.	264	3.2	23
1883	21.977	4	36	0	6 E.	12,	6,	40	M.	3	A.	264	3.4	25
1895	21.983	4	44	1	36 E.	12,	6,	40	S.	1	S.	396	5.8	39
1891	21.980	4	52	0	59 E.	12,	6,	40	R.	3	N.	381	4.8	39
1884	21.977	5	0	0	0	12,	6,	40	M.	1	R.	346	3.0	43
1898	21.986	5	8	1	24 E.	12,	6,	40	N.	4	M.	425	4.0	55
1899	21.986	5	16	1	1 E.	12,	6,	40	N.	3	A.	486	8.1	58
1892	21.980	5	24	1	0 E.	12,	6,	40	M.	3	N.	514	9.0	50
1900	21.986	5	32	0	45 E.	12,	6,	40	N.	1	R.	480	4.9	46
1885	21.977	5	40	0	13 E.	12,	6,	40	M.	1	S.	384	2.6	64
1893	21.980	5	48	0	53 E.	12,	6,	40	R.	4	M.	782	5.1	52
1903	21.988	5	56	1	36 E.	12,	6,	40	M.	3	A.	674	4.8	53
1894	21.980	6	4	0	40 E.	12,	6,	40	M.	1	R.	682	4.4	57
1896	21.983	6	12	2	4 E.	12,	6,	40	S.	4	M.	766	4.5	84
1907	22.140	6	20	0	42 E.	12,	6,	40	S.	1	S.	1175	5.9	79
1886	21.977	6	28	0	26 E.	12,	6,	40	M.	3	A.	760	3.8	70
1897	21.983	6	36	1	44 E.	12,	6,	40	S.	4	M.	932	4.2	79
1908	22.140	6	44	0	27 E.	12,	6,	40	S.	1	R.	1479	6.0	93
2051	23.104	6	52	0	27 E.	12,	6,	2 ^m	N.	3	N.	1262	3.7	86
1911	22.142	7	0	1	8 E.	12,	6,	40	R.	3	A.	1350	3.9	101
1912	22.142	7	8	0	42 E.	12,	6,	40	R.	1	S.	1286	3.4	98
1918	22.145	7	16	0	38 E.	12,	6,	40	N.	1	R.	732	1.9	109
1913	22.142	7	24	0	28 E.	12,	6,	40	R.	4	M.	1696	3.8	116
1914	22.142	7	32	0	1 E.	12,	6,	40	R.	3	N.	1640	3.1	118
1919	22.145	7	40	0	35 E.	12,	6,	40	N.	3	A.	1716	2.6	132
1915	22.142	7	48	0	16 W.	12,	6,	40	R.	4	M.	2017	4.3	102
1920	22.145	7	56	0	26 E.	12,	6,	40	G.	3	A.	1268	3.5	89
1937	22.214	8	4	0	17 W.	12,	6,	40	R.	4	M.	1784	5.3	86
1921	22.145	8	12	0	15 E.	12,	6,	40	N.	1	R.	974	2.1	99

List of Plates in the Present Volume. Centres in Dec. —23° (continued).

No. of plate.	Year and fraction, 1900+.	R.A. of centre.	Hour angle.	Exposures.	Observer.	Instrument.	Measurer.	No. of stars.	Ratio to C.P.D.	No. in Cordoba.
		h m	h m	m s						
1924	22·148	8 20	1 50 E.	12, 6, 40	A.	3	A.	1777	4·9	91
1925	22·148	8 28	1 24 E.	12, 6, 40	R.	1	R.	1615	4·7	84
1926	22·148	8 36	1 1 E.	12, 6, 40	A.	3	N.	1541	4·9	69
1927	22·148	8 44	0 34 E.	12, 6, 40	R.	1	S.	1049	4·5	58
2052	23·104	8 52	1 43 E.	12, 6, 2 ^m	N.	1	R.	569	3·6	60
1931	22·156	9 0	1 6 E.	12, 6, 40	M.	3	A.	598	5·2	48
1932	22·156	9 8	0 47 E.	12, 6, 40	A.	3	N.	876	5·5	55
1928	22·148	9 16	0 37 E.	12, 6, 40	A.	4	M.	948	6·2	61
2053	23·104	9 24	1 34 E.	12, 6, 2 ^m	N.	4	M.	471	2·0	59
1933	22·156	9 32	0 37 E.	12, 6, 40	M.	1	S.	727	5·0	69
1934	22·156	9 40	0 19 E.	12, 6, 40	A.	1	R.	762	4·6	68
1935	22·156	9 48	0 2 E.	12, 6, 40	M.	4	M.	694	6·2	59
1929	22·148	9 56	0 45 E.	12, 7, 40	R.	3	A.	622	4·8	53
1938	22·214	10 4	0 2 W.	12, 6, 40	R.	1	R.	412	3·6	57
1936	22·156	10 12	0 1 W.	12, 6, 40	A.	3	N.	715	7·3	56
1939	22·214	10 20	0 41 E.	12, 6, 40	R.	1	R.	436	4·3	57
1905	22·137	10 28	0 1 W.	12, 6, 40	A.	4	M.	368	4·1	54
1940	22·214	10 36	0 20 E.	12, 6, 40	R.	3	A.	472	7·1	52
1941	22·216	10 44	1 18 E.	12, 6, 40	N.	1	R.	393	7·4	38
1942	22·219	10 52	1 53 E.	12, 6, 40	N.	1	S.	259	5·4	46
1943	22·219	11 0	1 0 E.	12, 6, 40	S.	4	M.	356	5·7	53
1948	22·222	11 8	1 38 E.	14, 7, 40	A.	3	A.	274	4·4	37
1949	22·222	11 16	1 11 E.	12, 6, 40	A.	1	R.	289	2·6	41
1944	22·219	11 24	0 43 E.	12, 6, 40	N.	4	M.	333	2·7	40
2418	27·268	11 32	0 22 W.	12, 6, 40	A.	3	N.	166	1·5	32
1951	22·222	11 40	0 40 E.	12, 6, 40	A.	3	N.	291	2·6	36
1952	22·222	11 48	0 21 E.	12, 6, 40	A.	1	S.	314	2·5	38
1953	22·222	11 56	0 1 W.	12, 6, 40	A.	4	M.	282	2·5	39
1945	22·219	12 4	0 56 E.	12, 6, 40	S.	3	N.	292	2·7	43
1954	22·224	12 12	2 3 E.	12, 6, 40	N.	1	R.	258	2·1	42
1955	22·224	12 20	1 39 E.	12, 6, 40	N.	1	S.	189	2·0	33
1946	22·219	12 28	0 55 E.	12, 6, 40	S.	4	M.	276	2·6	38
1956	22·224	12 36	1 23 E.	12, 6, 40	N.	3	A.	162	1·2	38
1957	22·224	12 44	1 3 E.	12, 6, 40	N.	3	N.	235	1·9	22
1947	22·219	12 52	0 53 E.	12, 6, 40	N.	3	A.	182	3·7	36
1958	22·224	13 0	0 52 E.	12, 6, 40	N.	1	R.	205	5·0	32
1959	22·224	13 8	0 27 E.	12, 6, 40	N.	1	S.	247	5·7	34
1960	22·307	13 16	1 6 E.	12, 6, 40	M.	4	M.	220	4·7	33
1961	22·307	13 24	0 41 E.	12, 6, 40	B.	3	A.	227	5·7	42
1962	22·307	13 32	0 17 E.	12, 6, 40	B.	4	M.	217	4·1	32
1965	22·372	13 40	0 48 E.	12, 6, 40	M.	4	M.	245	3·8	36
1963	22·307	13 48	0 3 E.	12, 6, 40	M.	3	A.	243	5·1	34
1966	22·372	13 56	0 34 E.	12, 6, 40	R.	1	R.	199	4·7	34
1964	22·307	14 4	0 11 W.	12, 6, 40	M.	1	R.	210	3·9	38
1967	22·372	14 12	0 18 E.	12, 6, 40	M.	3	A.	222	3·5	26
1971	22·375	14 20	1 5 E.	12, 6, 40	N.	3	N.	206	2·8	29
1968	22·372	14 28	0 4 E.	12, 6, 40	R.	1	S.	299	4·0	39
1972	22·375	14 36	0 44 E.	12, 6, 40	N.	4	M.	280	4·9	29
1969	22·372	14 44	0 11 W.	12, 6, 40	M.	3	A.	303	5·2	34
1973	22·375	14 52	0 25 E.	12, 6, 40	N.	1	R.	262	2·7	40
1974	22·375	15 0	0 3 E.	12, 6, 40	N.	4	M.	236	2·4	36
1970	22·372	15 8	0 15 W.	12, 6, 40	R.	3	N.	354	3·9	31
1975	22·375	15 16	0 18 W.	12, 6, 40	N.	3	N.	327	4·4	32
1977	22·381	15 24	1 7 E.	12, 6, 40	S.	1	S.	285	4·3	38
1978	22·381	15 32	0 46 E.	12, 6, 40	S.	1	R.	253	4·2	44
1994	22·394	15 40	0 2 W.	12, 6, 40	M.	4	M.	221	4·8	27
2056	23·205	15 48	0 37 E.	12, 6, 40	R.	3	A.	299	7·5	25
2064	23·219	15 56	0 8 E.	12, 6, 40	H.	1	R.	344	5·5	36
1980	22·381	16 4	0 10 E.	12, 6, 40	S.	1	R.	113	1·9	35
1989	22·392	16 12	1 12 E.	12, 6, 40	S.	3	A.	235	5·0	37
2514	28·159	16 20	1 39 E.	16, 12, 1 ^m	M.	3	A.	161	12·4	12
2515	28·159	16 28	0 52 E.	12, 6, 40	M.	3	A.	155	8·2	13

List of Plates in the Present Volume. Centres in Dec. —23° (continued).

No. of plate.	Year and fraction, 1900+.	R.A. of centre.		Hour angle.		Exposures.			Observer.	Instru-ment.	Measurer.	No. of stars.	Ratio to C.P.D.	No. in Cordoba.
		h	m	h	m	h	m	s						
2060	23.211	16	36	1	31 E.	12,	6,	40	A.	4	M.	177	3.1	27
2061	23.211	16	44	1	0 E.	12,	6,	40	A.	3	N.	283	4.6	29
1991	22.392	16	52	0	46 E.	12,	6,	40	S.	3	A.	380	4.9	42
2074	23.279	17	0	0	43 E.	12,	6,	40	A.	3	A.	526	6.3	47
2242	25.219	17	8	0	15 E.	12,	6,	40	A.	3	A.	427	5.0	42
2072	23.276	17	16	0	30 E.	12,	6,	40	R.	4.	M.	246	4.9	45
2516	28.167	17	24	2	7 E.	12,	6,	40	M.	3	A.	277	5.4	36
2517	28.167	17	32	1	42 E.	12,	6,	40	M.	1	R.	577	8.4	37
2076	23.279	17	40	0	13 E.	12,	6,	40	A.	3	A.	519	7.5	40
2538	28.252	17	48	0	43 E.	12,	6,	40	M.	3	A.	740	7.3	36
1993	22.392	17	56	1	5 E.	12,	6,	40	S.	1	R.	1157	3.2	78
2077	23.279	18	4	0	4 E.	12,	6,	40	A.	4	M.	1447	4.2	75
2539	28.252	18	12	0	28 E.	12,	6,	40	M.	1	R.	2016	10.6	75
2564	28.290	18	20	0	52 E.	12,	6,	2	M.	3	A.	1189	9.4	58
2572	28.301	18	28	0	26 E.	12,	6,	2	M.	3	A.	843	5.2	69
2565	28.290	18	36	0	14 E.	12,	6,	2 $\frac{1}{2}$	M.	1	S.	972	5.9	59
2087	23.778	18	44	1	20 W.	12,	7 $\frac{1}{2}$,	40	B.	1	S.	721	4.6	62
2086	23.772	18	52	1	21 W.	14,	8,	40	M.	3	N.	662	5.5	59
2092	23.840	19	0	3	6 W.	12,	6,	40	A.	3	A.	681	7.6	40
2089	23.780	19	8	1	27 W.	12,	6,	40	M.	3	N.	479	4.2	51
2093	23.843	19	16	2	24 W.	12,	7,	40	B.	1	S.	826	6.5	62
2088	23.778	19	24	1	28 W.	12,	6,	55	B.	4	M.	761	7.2	45
2090	23.780	19	32	1	54 W.	12,	6,	40	M.	1	R.	683	9.5	47
2094	23.846	19	40	2	7 W.	12,	6,	40	M.	3	A.	644	8.6	40
2021	22.808	19	48	1	33 W.	12,	6,	40	A.	3	A.	562	7.3	43
2091	23.840	19	56	1	33 W.	12,	6,	40	M.	3	N.	563	7.1	44
2034	22.879	20	4	2	8 W.	12,	6,		B.	4	M.	428	6.7	29
2037	22.882	20	12	2	11 W.	12,	6,	40	B.	3	N.	591	5.1	43
2010	22.780	20	20	0	42 W.	12,	6,	40	G	1	R.	478	3.6	55
2035	22.879	20	28	2	11 W.	12,	6,	40	M.	1	S.	439	3.5	56
2022	22.808	20	36	1	13 W.	12,	6,	40	B.	4	M.	572	5.6	48
2006	22.778	20	44	0	23 W.	12,	6,	40	N.	1	R.	426	6.8	57
2038	22.882	20	52	2	3 W.	12,	6,	40	B.	1	S.	409	7.2	38
1997	22.734	21	0	0	42 W.	12,	8,	40	B.	3	A.	463	6.2	45
2011	22.780	21	8	0	29 W.	12,	6,	40	S.	3	N.	381	7.2	45
2007	22.778	21	16	0	26 W.	12,	6,	40	N.	1	R.	328	6.9	41
2036	22.879	21	24	1	44 W.	12,	6,	40	B.	3	N.	367	6.4	35
2008	22.778	21	32	0	47 W.	12,	6,	40.	N.	1	S.	337	6.1	34
1998	22.734	21	40	0	47 W.	12,	8,	40	N.	3	N.	382	10.6	24
2015	22.783	21	48	0	13 E.	12,	6,	40	R.	4	M.	314	5.0	36
2023	22.808	21	56	0	24 W.	12,	6,	40	A.	1	R.	318	4.4	33
2016	22.783	22	4	0	3 W.	12,	6,	40	R.	1	S.	290	4.2	31
1999	22.734	22	12	1	7 W.	12,	8,	40	N.	1	R.	307	4.1	32
2032	22.876	22	20	0	36 W.	12,	6,	40	B.	3	A.	324	5.4	37
2039	22.936	22	28	1	23 W.	13,	6,		B.	3	N.	310	4.6	30
2042	22.939	22	36	1	24 W.	12,	6,	40	B.	1	S.	284	6.5	36
2017	22.783	22	44	0	5 E.	12,	6,	40	R.	3	A.	271	6.3	35
2040	22.936	22	52	1	38 W.	12,	12,	40	B.	3	N.	262	7.7	38
2029	22.873	23	0	0	23 W.	14,	6,	40	M.	4	M.	286	7.7	38
2033	22.876	23	8	0	26 W.	12,	8,	40	B.	1	R.	300	8.4	34
2044	22.942	23	16	0	41 W.	12,	6 $\frac{1}{2}$,	40	B.	1	S.	241	5.6	27
2043	22.939	23	24	1	9 W.	12,	6,	40	A.	1	R.	237	6.8	35
2048	22.969	23	32	1	7 W.	12,	9,	40	B.	4	M.	246	9.5	27
2041	22.936	23	40	1	26 W.	12,	6,	40	M.	3	A.	198	4.6	28
2045	22.942	23	48	0	57 W.	8 $\frac{1}{2}$,	12,	40	B.	1	R.	226	8.7	24
2030	22.873	23	56	0	1 W.	12 $\frac{1}{2}$,	8,	40	A.	4	M.	222	8.6	26

The total number of star-images measured for the present volume is 88,506, giving an average of 492 stars per plate.

IV.—MEASUREMENT OF THE PHOTOGRAPHS.

See Introduction to Vol. I. p. xiii.

V.—DETERMINATION OF PHOTOGRAPHIC MAGNITUDES.

At the time the rectangular co-ordinates are measured, an estimation is also made of the diameter of the image. The sum of the estimates made in the two positions of the plate is given in the second column under the heading d of the Catalogue. The unit is thus $\frac{1}{2000}$ of a réseau interval, or $0''.15$, as at Greenwich.

For converting these diameters into photographic magnitudes, the formula provisionally adopted is

$$m = a - b\sqrt{d},$$

where d is the diameter (sum of the two estimates) and a, b are certain constants. For plates in this volume these constants have been determined by a method different from that adopted for the Zones -17° to -21° of this Catalogue. All the stars found in the corresponding region of the Henry Draper Catalogue were carefully identified and their photographic magnitudes compared with the Hyderabad diameters. The value of b for plates in this zone has been taken throughout as 0.96, and the constant a has been deduced separately for each star by substitution in the formula

$$a = m + b\sqrt{d}.$$

The mean value of a thus determined for each plate was adopted.

A table for converting measured diameters into photographic magnitudes is given on pp. xxxviii and xxxix of this volume.

The values of the constants a and b , being derived from a consideration of the brighter stars alone, the formula, as given in the Catalogue at the heading of each plate, is not applicable for determining the magnitudes with any degree of accuracy in the case of the faintest stars. It is found that the magnitudes computed from these formulæ make a faint star less bright than it really is. There is evidence to show that on the Catalogue plates the faintest stars in the region of best focus are not below 13.0 magnitude on the photographic scale.

For twelve areas in this zone, sequences of photographic magnitudes are given in H.A., vol. 85, Part 7. From a comparison of the estimated diameters with the magnitudes in the sequences the following table has been derived, which gives the mean photographic magnitudes (approximately on the International Scale) corresponding to the diameters of the images on the Hyderabad plates.

Diameter.	Photographic magnitude.	Diameter.	Photographic magnitude.
9	13.00	25	11.56
10	12.92	30	11.12
12	12.72	35	10.68
14	12.56	40	10.31
16	12.42	45	9.90
18	12.26	50	9.48
20	12.04	60	8.75

The corrections applicable to the measured diameters, depending on the distance of the image from the plate centre, have been determined from the counts of stars within the same limits of diameter in different parts of the plate; and the mean value of the corrections to \sqrt{d} are tabulated below for different distances from the centre of the plate.

Corrections to \sqrt{d} , depending on Distance from Plate Centre.

$\frac{r}{d}$	0'-17'.	17'-31'.	31'-41'.	41'-49'.	49'-56'.	56'-63'.	63'-73'.	73'-92'.
50	-.02	-.02	+.02	-.06	+.10	-.06	-.09	-.21
30	+.09	.00	-.05	-.04	-.13	-.14	-.13	-.07
20	+.21	-.02	-.06	-.12	-.10	-.04	+.02	+.10
16	+.19	-.03	-.03	-.10	-.13	+.02	+.09	+.16
13	+.12	-.05	.00	-.06	-.06	+.08	+.14	+.27
10	+.05	-.05	+.04	-.03	+.01	+.15	+.21	+.36
8	+.02	-.05	+.04	-.01	+.05	+.17	+.25	+.43

VI.—MEASURES OF POSITION.

PERSONALITY OF MEASURER.

The personality of the measurer is determined for each plate after measurement in both direct and reverse positions in the same manner as at Oxford. A full discussion will be found in the *Monthly Notices of the R.A.S.*, vol. lvii. p. 621. The mean excess of the R measure over the D measure is given in the following table in units of $0''.03$. The error of bisection is one-half the quantity R—D in the table.

Measurer.	Mean R—D.		No. of plates.
	x .	y .	
A.	—1	—4	46
M.	+2	0	40
N.	+2	—4	29
R.	—6	+5	39
S.	—4	+2	26

PROBABLE ERROR OF THE MEASURES.

See Introduction to Vol. I. pp. xvi—xvii, and Introduction to Vol. II. p. xv.

ERRORS OF RÉSEAUX.

Before the réseaux were brought into use a preliminary investigation was made, which showed that they have been ruled with a high degree of precision, and so for purposes of the Catalogue their errors have been treated as small accidental errors and have not been applied. The division errors of the scales of the measuring microscopes have also been assumed to be negligible.

VII.—PLATE CONSTANTS.

The plate constants were determined by the method and formulæ given by Professor Turner in the *Monthly Notices of the R.A.S.*, vol. liv. p. 11. The rigorous formulæ obtained in that paper were modified in practice as approximate formulæ, more convenient for the formation of tables. See next section, pp. xiii–xvi. The positions of the reference stars for plates in the present volume were taken from the “Catálogo de 15975 estrellas —22° A' —27°,” published by the National Observatory, Cordoba, South America. The right ascensions and declinations are given for the epoch 1900·0, the same as that of the Astrographic Catalogue. The method of computing the provisional constants is fully explained in the Introduction to the Oxford Astrographic Catalogue, vol. i. p. xxxvii; but for convenience of reference it is briefly described below. The R.A.’s and Declinations of Stars in the Cordoba Catalogue occurring in this zone were first converted into standard co-ordinates by methods explained in the next section. A Catalogue of these reference stars with their standard co-ordinates is given in pp. 261–305 of this volume. An approximate solution was then formed for each plate, generally by consideration of only four stars. The scale value was taken as —·0175 for plates with numbers less than 2077 and +·0010 for the later plates; the other constants were chosen to be numbers convenient for computation.

Now, if ξ , η represent standard co-ordinates of a star referred to the plate centre as origin, and α , δ its R.A. and Declination, while A , D stand for the R.A. and Declination of the plate centre, we have

$$\begin{aligned}\xi &= k \tan (\alpha - A) \sec (\theta - D) \cos \theta, \\ \eta &= k \tan (\theta - D), \\ \text{where } \tan \theta &= \sec (\alpha - A) \tan \delta, \\ \text{and } k &= 687\cdot549 \text{ (reciprocal of circular measure of } 5').\end{aligned}$$

Then, if $\xi' = \xi + 13$ and $\eta' = \eta + 13$, ξ' , η' represent the standard co-ordinates of the star referred to a corner of the réseau, and if $\Delta\xi'$, $\Delta\eta'$ represent the correction calculated by means of the above approximate solution, we have

$$x' = \xi' + \Delta\xi', \quad y' = \eta' + \Delta\eta'.$$

If x , y are the actual measured co-ordinates, we can form $x - x'$, $y - y'$ for each star on the plate. The stars are then divided into four groups (two by the line $x = 13\cdot0$ and two by the line $y = 13\cdot0$), and the mean values of x , $x - x'$, y , $y - y'$ are found for each of these groups. We thus get four pairs of equations of the type

$$a\bar{x} + b\bar{y} + c = \overline{x - x'}, \quad d\bar{x} + e\bar{y} + f = \overline{y - y'},$$

where \bar{x} , \bar{y} represent the mean values found.

The six constants a , b , c , d , e , f are then computed from these four pairs of equations. Finally, the approximate solution is combined with this accurate solution to give

$$\xi' = x - Ax - By - C, \quad \eta' = y - Dx - Ey - F,$$

from which we obtain the equations

$$\xi = x - 13 - Ax - By - C, \quad \eta = y - 13 - Dx - Ey - F,$$

connecting the standard co-ordinates with the measures. The provisional values of the constants A , B , C , D , E , F are given at the heading of each plate.

Theoretically, when the constants A, B, D, E are corrected for refraction (see below) we should have $A=E$ and $B+D=0$: where these relations are not satisfied, it generally happens that the reference stars are not uniformly distributed over the region, and sometimes it is due to a star or two included in the equations having probably small proper motions. After the plate constants have been determined, they are used to correct the Hyderabad places for comparison with Cordoba, and the residuals (Hyd.—Cordoba) so obtained are entered in ledgers. Except in the case of stars having a sensible P.M. the residuals are generally small, scarcely any exceeding two seconds of arc; the results of the comparison will be published in a future volume.

As regards the effect of *differential refraction*, accurate formulæ are given in *Monthly Notices of the R.A.S.*, vol. lvii. p. 135. If β_0 is the coefficient of refraction, X, Y the co-ordinates of the zenith supposed projected on the plate, and X, Y, x, y are expressed in terms of the focal length of the telescope as unit, the corrections to be applied to the measures x, y are, neglecting terms beyond the first order,

$$\begin{aligned}\Delta x &= \beta_0(1+X^2)x + \beta_0XYy; \\ \Delta y &= \beta_0XYx + \beta_0(1+Y^2)y.\end{aligned}$$

These corrections are tabulated below:

Zone -23° .—Correction for Refraction in Units of .000001.

Hour angle.		$\beta_0(1+X^2)$.	β_0XY .	$\beta_0(1+Y^2)$.	Hour angle.		$\beta_0(1+X^2)$.	β_0XY .	$\beta_0(1+Y^2)$.
h	m				h	m			
0	0	283	0	488	1	36	374	144	512
	8	284	11	489		44	393	160	517
	16	285	21	489	1	52	414	177	522
	24	288	32	490	2	0	438	195	528
	32	292	43	491		8	466	215	535
	40	297	54	492		16	499	236	542
	48	303	65	494		24	536	260	551
0	56	311	77	496		32	578	287	561
1	4	320	89	498		40	628	316	572
	12	331	102	501		48	685	348	584
	20	343	115	504	2	56	752	385	599
1	28	357	129	508	3	4	831	427	616

Thus the corrections at hour angle $2^h 0^m$ are

$$\begin{aligned}\Delta x &= +.000438x - .000195y, \\ \Delta y &= - .000195x + .000528y,\end{aligned}$$

the upper sign to be taken when plates are exposed west of the meridian.

The corrections for differential aberration are—

$$\begin{aligned}\Delta x &= +K \cos CW \cdot x, \\ \Delta y &= +K \cos CW \cdot y,\end{aligned}$$

where C is the plate centre and W is the point on the Ecliptic to which the Earth tends.

We have

$$K \cos CW = 0.000100 \{-0.40 \sin D \cos \odot - 0.96 \cos D \sin (A - \odot)\},$$

where \odot is the sun's longitude, neglecting a small term

$$0.000004 \cos D \sin (A + \odot).$$

For plates in the present volume $D = -23^\circ$, and therefore

$$K \cos CW = +.000016 \cos \odot - .000088 \sin (A - \odot).$$

It will make very little difference if we substitute the sun's R.A. for the longitude, then for a plate taken on the meridian at midnight $A - \odot = 180^\circ$, and the second term vanishes.

For plates taken on the meridian at other times, the second term has the following values (unit .000001):—

6h.	7h.	8h.	9h.	10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.
-88	-85	-76	-62	-44	-23	0	+23	+44	+62	+76	+85	+88

The first term has the following values at the middle of each month in units of .000001:—

Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
+6	+13	+16	+15	+10	+2	-6	-12	-16	-15	-10	-2

Thus the x and y measures of a star taken on the meridian at 8^h in April require the corrections $-.000061x$ and $-.000061y$ respectively for differential aberration.

VIII.—DETERMINATION OF A STAR'S STANDARD CO-ORDINATES FROM ITS R.A. AND DECLINATION: AND OF ITS R.A. AND DECLINATION FROM ITS MEASURED CO-ORDINATES.

From the provisional constants given at the head of each plate, the standard co-ordinates of a star are obtained from the measures by the formulæ

$$\begin{aligned}\xi &= x - 13 - Ax - By - C, \\ \eta &= y - 13 - Dx - Ey - F.\end{aligned}$$

Increasing x corresponds to increasing R.A., and increasing y corresponds to increasing N.P.D.

The "standard co-ordinates" ξ, η of a star are derived from its R.A. and Declination by the purely geometrical formulæ

$$\begin{aligned}\xi &= k \tan (\alpha - A) \sec (\theta - D) \cos \theta, \\ \eta &= k \tan (\theta - D), \\ \tan \theta &= \sec (\alpha - A) \tan \delta, \\ \text{and } k &= 687.549,\end{aligned}$$

where A, D are the R.A. and Declination of the plate centre, α, δ those of the star.

For zones not too near the pole, it is more convenient to use the following approximate formulæ:—

Let

$$\begin{aligned}X &= \alpha - A \text{ expressed in units of } 20'' \text{ sec}, \\ Y &= \delta - D \text{ expressed in units of } 300''.\end{aligned}$$

Then, with sufficient accuracy, we have for the Hyderabad zones

$$\eta = Y + \left(\frac{1}{4} \mu \sin 2D\right) \cdot X^2 + \frac{1}{8} \mu^2 (2Y^2 + 3X^2 \cdot Y \cdot \cos 2D),$$

where

$$\mu = \frac{1}{k} = .00145444 \text{ (=circular measure of } 5').$$

Table I. gives the value of the term $\frac{1}{4} \mu \sin 2D \cdot X^2$ for different values of X , when $D = -23^\circ$. The small quantity of $\frac{1}{8} \mu^2 (2Y^2 + 3X^2 \cdot Y \cdot \cos 2D)$ is given in Table II. (Arguments X and Y). Thus we have

$$\begin{aligned}\eta &= Y + \text{Table I.} + \text{Table II.}, \\ \text{and } Y &= \eta - \text{Table I.} - \text{Table II.}\end{aligned}$$

Therefore, when X is known, we can obtain η from Y or *vice versa*.

To get ξ from X , tables have been constructed in the present volume for two alternative methods, one set using logarithmic tables and the other without using them.

(i.) With logarithms: We have

$$\xi = \tan(a - \Lambda) \cdot \{\sin D \cdot (k \cot D - \eta)\} \quad (1)$$

$$\text{or} \quad \xi = X(1 + \frac{1}{3}\mu^2 \cdot X^2) \cdot \{\mu \cos D \cdot \tan D_0 (k \cot D_0 - \eta)\} \quad (2)$$

Consider (i.). We have for $D = 23^\circ$

$$\log \{\sin D (k \cot D - \eta)\} = \log \sin 23^\circ + \log (1619.764 - \eta)$$

Now if for $\log (1619.764 - \eta)$ we write $\log (1619.8 - \eta)$, we can read the values of this term for $\eta = 0.0, 0.1, 0.2 \dots$ directly from the tables without interpolation. Representing the corresponding value of D by D_0 , which is very nearly the same as D , we have

$$\sin D \cdot (k \cot D - \eta) = \sin D \cdot \frac{k \cot D - \eta}{k \cot D_0 - \eta} \cdot (k \cot D_0 - \eta)$$

in the fractional term of which we may give η its mean value, zero, to a very close degree of approximation, thus we get the form (2).

Table V. gives the value of $\log (1 + \frac{1}{3}\mu^2 \cdot X^2)$, and is the same for all zones.

Table III. gives the values of $[\text{const.} + \log \{\mu \cos D \cdot \tan D_0 (k \cot D_0 - \eta)\}]$. Argument η in multiples of 0.1000.

Table IV. gives the corrections for the fractional part of η beyond the first decimal place.

Thus ξ is computed from the formulæ

$$\begin{aligned} \log \xi &= \log X + \text{Table III. (Arg. } \eta \text{ to } 0.1), \\ &+ \text{Table IV. (Arg. fractional part of } \eta \text{ beyond the 1st decimal place),} \\ &+ \text{Table V. (Arg. } X). \end{aligned}$$

(ii.) Without logarithms: When X is constant we have $\xi = M - N \cdot \eta$, so that the differences in η are constant. When η is constant we have $\xi = MX(1 + \frac{1}{3} \cdot \mu^2 \cdot X^2)$, so that the differences are not quite uniform; but from a sufficiently extended table for X we can safely interpolate, as Tables IX. and X. will show.

It is to be noted that in these tables the above formula has been transformed from $(X \cdot \eta)$ to $(X \cdot Y)$.

As an example of both methods of calculation take the star Cordoba 5, whose standard co-ordinates are given on p. 263.

	R.A. (1900.0).	Declination (1900.0).
Cordoba 5	0 ^h 0 ^m 36 ^s .19	-23° 4' 0".4
Plate centre	0 ^h 4 ^m 0 ^s	-23° 0' 0"
$\therefore X = -10.1905$		$Y = +0.8013$
Y = +0.8013		log X = 1.008195
Table I. = +0.0272		Table III. = 9.963784
Table II. = +0.0001		Table IV. = 19
$\eta = \text{sum} = +0.8286$		Table V. = 32
$\eta' = 13 + \eta = 13.8286$		log $\xi = \text{sum} = 0.972030$
		$\xi = -9.3763$
		$\xi' = 13 + \xi = 3.6237$

Without logarithms, the computations for ξ would stand thus; since Y is positive, we refer to Table XA., which is headed by the precept $\xi = X - \frac{1}{16}X - \frac{1}{60}X$ —following table, hence we have

$$\begin{array}{rcl} & X = & -10.1905 \\ - & \frac{1}{16} X = & + 0.6369 \\ - & \frac{1}{60} X = & + 0.1698 \\ - \text{Table XA.} = & + & 0.0074 \\ \hline & \xi = & - 9.3764 \\ \xi' = 13 + \xi = & & 3.6236 \end{array}$$

For obtaining the R.A. and Declination from the measures, the standard co-ordinates have to be computed first by means of the formulæ

$$\begin{aligned} \xi &= X - 13 - Ax - By - C, \\ \eta &= Y - 13 - Dx - Ey - F. \end{aligned}$$

Then by the first method we have

$$\begin{aligned} \log X &= \log \xi \\ &+ \text{Table VI. (Arg. } \xi). \\ &+ \text{Table VII. (Arg. } \eta \text{ to } 0.1). \\ &+ \text{Table VIII. (Arg. fractional part of } \eta \text{ beyond the first decimal).} \end{aligned}$$

With the value of X thus obtained, we can form η —Table I., and so find a sufficiently approximate value of Y to enter Table II.

As an example let us take the same star as before, viz. Hyderabad $-23^\circ, 96$, whose measures are given on p. 3 of this volume.

$\begin{array}{rcl} & x = & 3.383 \\ -Ax & = + & 60 \\ -By & = - & 0.121 \\ -C & = + & 0.301 \\ \hline & \xi' & = 3.623 \\ \hline & \xi & = - 9.377 \\ \log \xi & = & 0.972064 \\ \text{Table VI.} & = & 29 \\ \text{Table VII.} & = & 0.036102 \\ \text{Table VIII.} & = & 34 \\ \hline \text{sum} = \log X & = & 1.008229 \\ X & = & -10.1913 \\ & = & -3^m 23^s.83 \end{array}$	$\begin{array}{rcl} & y = & 13.273 \\ -Dx & = & 31 \\ -Ey & = + & 0.229 \\ -F & = + & 0.294 \\ \hline & \eta' & = 13.827 \\ \hline & \eta & = + 0.827 \\ \text{Table I.} & = - & 0.0272 \\ \text{Table II.} & = - & 1 \\ \hline Y & = + & 0.800 \\ & = + & 0^\circ 4' 0''.0. \end{array}$
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The co-ordinates of the plate centre being R.A. $0^h 4^m$ and Dec. -23° , the R.A. and Declination of the star for the epoch 1900.0 are—

$$0^h 0^m 36^s.17 \qquad -23^\circ 4' 0''.0.$$

The small differences occurring between the values computed from the Hyderabad measures and those given in the Cordoba Catalogue are the sum of—

- (1) Accidental or systematic errors in the Cordoba meridian place.

- (2) Accidental or systematic errors in the photographic place, including the effect of
 (1) on the plate constants.
 (3) Proper motions between the epochs of the two observations.

The computation of ξ' , η' from x , y is made only to three places of decimals. With the rather large scale value which has been inevitable for most of the Hyderabad plates, it would require a little care to calculate the fourth place accurately; but since the measures are made only to three places, the extra labour involved is scarcely justified, and will hardly make a difference of as much as one unit in the third decimal place.

Without the use of logarithms the computation for X stands thus:—

Since η is positive, we refer to Table XIIA., the precept at the head of which is $X = \xi + \frac{1}{12} \xi + \frac{1}{360} \xi +$ following table.

$$\begin{array}{rcl}
 \xi & = & -9.3770 \quad . \\
 + \frac{1}{12} \xi & = & -0.7814 \\
 + \frac{1}{360} \xi & = & -0.0313 \\
 + \text{Table} & = & -0.0016 \\
 \hline
 X & = & -10.1913 \quad .
 \end{array}$$

Differences of one or two units in the fourth place, when different approximate methods of computation are employed, are unavoidable, and may be neglected.

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HYDERABAD ASTROGRAPHIC CATALOGUE

T A B L E S

FOR THE CONVERSION OF

R.A. AND DEC. INTO STANDARD CO-ORDINATES

AND OF

STANDARD CO-ORDINATES INTO R.A. AND DEC.

FOR PLATES WITH CENTRES IN

DEC. -23°

BOTH WITH AND WITHOUT LOGARITHMS

TABLE I.—For $D = -23^\circ$.

$$\Delta_1 Y = \frac{\mu}{4} \sin 2D \cdot X^2 = .0002616 X^2.$$

Always additive to Y to get η . Always subtractive from η to get Y .

$\Delta_2 Y$ is given in Table II.

X.	$\Delta_1 Y$.	X.	$\Delta_1 Y$.	X.	$\Delta_1 Y$.	X.	$\Delta_1 Y$.
0.0-0.4	.0000	4.0	.0042	7.7	.0155	11.4	.0340
0.5	.0001	4.1	.0044	7.8	.0159	11.5	.0346
0.6	.0001	4.2	.0046	7.9	.0163	11.6	.0352
0.7	.0001	4.3	.0048	8.0	.0167	11.7	.0358
0.8	.0002	4.4	.0051	8.1	.0172	11.8	.0364
0.9	.0002	4.5	.0053	8.2	.0176	11.9	.0370
1.0	.0003	4.6	.0055	8.3	.0180	12.0	.0377
1.1	.0003	4.7	.0058	8.4	.0184	12.1	.0383
1.2	.0004	4.8	.0060	8.5	.0189	12.2	.0389
1.3	.0004	4.9	.0063	8.6	.0193	12.3	.0396
1.4	.0005	5.0	.0065	8.7	.0198	12.4	.0402
1.5	.0006	5.1	.0068	8.8	.0202	12.5	.0409
1.6	.0007	5.2	.0071	8.9	.0207	12.6	.0415
1.7	.0008	5.3	.0073	9.0	.0212	12.7	.0422
1.8	.0008	5.4	.0076	9.1	.0216	12.8	.0428
1.9	.0009	5.5	.0079	9.2	.0221	12.9	.0435
2.0	.0010	5.6	.0082	9.3	.0226	13.0	.0442
2.1	.0012	5.7	.0085	9.4	.0231	13.1	.0449
2.2	.0013	5.8	.0088	9.5	.0236	13.2	.0456
2.3	.0014	5.9	.0091	9.6	.0241	13.3	.0463
2.4	.0015	6.0	.0094	9.7	.0246	13.4	.0470
2.5	.0016	6.1	.0097	9.8	.0251	13.5	.0477
2.6	.0018	6.2	.0101	9.9	.0256	13.6	.0484
2.7	.0019	6.3	.0104	10.0	.0261	13.7	.0491
2.8	.0020	6.4	.0107	10.1	.0267	13.8	.0498
2.9	.0022	6.5	.0110	10.2	.0272	13.9	.0505
3.0	.0024	6.6	.0114	10.3	.0277	14.0	.0512
3.1	.0025	6.7	.0117	10.4	.0283	14.1	.0520
3.2	.0027	6.8	.0121	10.5	.0288	14.2	.0527
3.3	.0028	6.9	.0124	10.6	.0294	14.3	.0535
3.4	.0030	7.0	.0128	10.7	.0299	14.4	.0542
3.5	.0032	7.1	.0132	10.8	.0305	14.5	.0550
3.6	.0034	7.2	.0135	10.9	.0311	14.6	.0558
3.7	.0036	7.3	.0139	11.0	.0316	14.7	.0565
3.8	.0038	7.4	.0143	11.1	.0322	14.8	.0573
3.9	.0040	7.5	.0147	11.2	.0328	14.9	.0581
		7.6	.0151	11.3	.0334	15.0	.0588

TABLE II.—For $D = -23^\circ$.

$$\Delta_2 Y = \frac{1}{6} \mu^2 (2Y^3 + 3X^2Y \cos 2D) = .000000705 Y^3 + .000000735 X^2Y.$$

Additive to Y with same sign as Y to get η . Additive to η with opposite sign to η to get Y.

Y. X. or η .	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	10.5.	11.	11.5.	12.	12.5.	13.	13.5.	14.	14.5.	15.	X. Y. or η .
	Unit=.0001 of Reseau Interval.																					
R.I.																						R.I.
0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0.5
1.0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	1.0
1.5	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	1.5
2.0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	2.0
2.5	0	0	0	0	0	1	1	1	1	2	2	2	2	2	3	3	3	3	4	4	4	2.5
3.0	0	0	0	0	1	1	1	1	2	2	2	3	3	3	3	4	4	4	4	5	5	3.0
3.5	0	0	0	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	3.5
4.0	0	0	1	1	1	1	2	2	2	3	3	4	4	4	5	5	5	6	6	7	7	4.0
4.5	1	1	1	1	1	1	2	2	3	3	4	4	5	5	5	6	6	7	7	8	8	4.5
5.0	1	1	1	1	1	2	2	3	3	4	5	5	5	6	6	7	7	8	8	9	9	5.0
5.5	1	1	1	2	2	2	3	3	4	4	5	6	6	6	7	7	8	9	9	10	10	5.5
6.0	1	1	2	2	2	3	3	4	4	5	6	6	7	7	8	8	9	9	10	11	11	6.0
6.5	2	2	2	2	3	3	4	4	5	6	7	7	8	8	9	9	10	11	11	12	13	6.5
7.0	2	2	3	3	3	4	4	5	6	7	7	8	9	9	10	10	11	12	12	13	14	7.0
7.5	3	3	3	3	4	4	5	6	6	7	8	9	10	10	11	12	12	13	14	15	15	7.5
8.0	4	4	4	4	4	5	6	6	7	8	9	10	11	11	12	13	13	14	15	16	17	8.0
8.5	4	4	4	5	5	6	6	7	8	9	10	11	12	13	13	14	15	16	16	17	18	8.5
9.0	5	5	5	6	6	7	7	8	9	10	12	12	13	14	15	15	16	17	18	19	20	9.0
9.5	6	6	6	7	7	8	8	9	10	12	13	14	14	15	16	17	18	19	20	21	22	9.5
10.0	7	7	7	8	8	9	10	11	12	13	14	15	16	17	18	19	19	20	21	23	24	10.0
10.5	8	8	8	9	9	10	11	12	13	14	16	17	17	18	19	20	21	22	23	24	26	10.5
11.0	9	9	10	10	11	11	12	13	15	16	17	18	19	20	21	22	23	24	25	26	28	11.0
11.5	11	11	11	11	12	13	14	15	16	17	19	20	21	22	23	24	25	26	27	28	30	11.5
12.0	12	12	13	13	14	14	15	16	18	19	21	22	23	24	25	26	27	28	29	31	32	12.0
12.5	14	14	14	15	15	16	17	18	20	21	23	24	25	26	27	28	29	30	32	33	34	12.5
13.0	15	16	16	16	17	18	19	20	22	23	25	26	27	28	29	30	32	33	34	36	37	13.0

For $D = -23^\circ$ and η Positive.

Add to log. ξ (with Table VI.) to get log. X.

TABLE VII.

Argument, η to 0.1. *Not to be interpolated.*

TABLE VIII.

Add for remainder of η .

η .		.0.	.1.	.2.	.3.	.4.	.5.	.6.	.7.	.8.	.9.			.000.	.001.	.002.	.003.	.004.	.005.	.006.	.007.	.008.	.009.
+12	0.03	9117	9144	9171	9198	9225	9252	9279	9306	9333	9360		.09	51	51	51	52	52	52	53	53	53	53
+11	0.03	8847	8874	8901	8928	8955	8982	9009	9036	9063	9090		.08	48	49	49	49	49	50	50	50	50	51
+10	0.03	8577	8604	8631	8658	8685	8712	8739	8766	8793	8820		.07	46	46	46	46	47	47	47	47	48	48
+9	0.03	8307	8334	8361	8388	8415	8442	8469	8496	8523	8550		.06	43	43	43	44	44	44	44	45	45	45
+8	0.03	8038	8064	8091	8118	8145	8172	8199	8226	8253	8280		.05	40	40	41	41	41	42	42	42	42	43
+7	0.03	7768	7795	7822	7849	7876	7903	7930	7957	7984	8011		.04	38	38	38	38	39	39	39	39	40	40
+6	0.03	7499	7526	7553	7580	7607	7634	7660	7687	7714	7741		.03	35	35	35	36	36	36	36	37	37	37
+5	0.03	7230	7257	7284	7311	7338	7364	7391	7418	7445	7472		.02	32	32	33	33	33	34	34	34	34	35
+4	0.03	6961	6988	7015	7042	7069	7095	7122	7149	7176	7203		.01	29	30	30	30	31	31	31	31	32	32
+3	0.03	6692	6719	6746	6773	6800	6827	6854	6880	6907	6934		.00	27	27	27	28	28	28	28	29	29	29
+2	0.03	6424	6451	6478	6504	6531	6558	6585	6612	6639	6665												
+1	0.03	6155	6182	6209	6236	6263	6290	6316	6343	6370	6397												
0	0.03	5887	5914	5941	5968	5994	6021	6048	6075	6102	6129												

Unit = .000001.

For $D = -23^\circ$ and η Negative.

Add to log. ξ (with Table VI.) to get log. X.

TABLE VII.

Argument, η to 0.1. *Not to be interpolated.*

TABLE VIII.

Add for remainder of η .

η .		.0.	.1.	.2.	.3.	.4.	.5.	.6.	.7.	.8.	.9.			.000.	.001.	.002.	.003.	.004.	.005.	.006.	.007.	.008.	.009.
-0	0.03	5887	5860	5834	5807	5780	5753	5726	5700	5673	5646		.00	27	27	26	26	26	25	25	25	25	24
-1	0.03	5619	5592	5566	5539	5512	5485	5458	5432	5405	5378		.01	24	24	24	23	23	23	23	22	22	22
-2	0.03	5351	5324	5298	5271	5244	5217	5191	5164	5137	5110		.02	21	21	21	21	20	20	20	20	19	19
-3	0.03	5084	5057	5030	5003	4977	4950	4923	4896	4870	4843		.03	19	18	18	18	18	17	17	17	17	16
-4	0.03	4816	4789	4763	4736	4709	4682	4656	4629	4602	4575		.04	16	16	16	15	15	15	14	14	14	14
-5	0.03	4549	4522	4495	4468	4442	4415	4388	4362	4335	4308		.05	13	13	13	13	12	12	12	12	11	11
-6	0.03	4281	4255	4228	4201	4175	4148	4121	4094	4068	4041		.06	11	10	10	10	10	9	9	9	9	8
-7	0.03	4014	3988	3961	3934	3908	3881	3854	3828	3801	3774		.07	8	8	8	7	7	7	6	6	6	6
-8	0.03	3747	3721	3694	3667	3641	3614	3588	3561	3534	3508		.08	5	5	5	5	4	4	4	3	3	3
-9	0.03	3481	3454	3428	3401	3374	3348	3321	3294	3268	3241		.09	3	2	2	2	2	1	1	1	1	0
-10	0.03	3214	3188	3161	3134	3108	3081	3054	3028	3001	2974												
-11	0.03	2948	2921	2895	2868	2841	2815	2788	2761	2735	2708												
-12	0.03	2682	2655	2628	2602	2575	2549	2522	2495	2469	2442												

Unit = .000001.

TABLE IXA.—For $D = -23^\circ$.From $Y = -13.0$ to $Y = -8.0$.

$$\xi = X - \frac{1}{16}X - \frac{1}{100}X - \text{Table.}$$

X. Y.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	X. Y.
-13.0	.0004	.0008	.0012	.0016	.0020	.0025	.0029	.0034	.0039	.0044	.0050	.0056	.0062	.0068	.0076	-13.0
12.9	.0003	.0007	.0010	.0014	.0017	.0021	.0025	.0029	.0034	.0038	.0043	.0049	.0054	.0060	.0067	12.9
8	.003	.006	.008	.011	.014	.018	.021	.025	.029	.033	.037	.042	.047	.053	.059	8
7	.002	.004	.007	.009	.012	.014	.017	.020	.024	.027	.031	.035	.040	.045	.050	7
6	.002	.003	.005	.007	.009	.011	.013	.016	.019	.022	.025	.028	.032	.037	.042	6
5	.001	.002	.003	.005	.006	.008	.009	.011	.013	.016	.019	.021	.025	.029	.033	5
4	.000	.001	.002	.002	.003	.004	.005	.006	.008	.010	.012	.015	.017	.021	.024	4
3	.000	.000	.000	.000	.000	.001	.001	.002	.003	.004	.006	.008	.010	.013	.016	3
2	.001	.001	.002	.002	.003	.003	.003	.003	.002	.001	.000	.001	.003	.005	.007	2
1	.001	.002	.003	.004	.005	.006	.007	.007	.007	.007	.006	.006	.005	.003	.001	1
-12.0	.002	.003	.005	.007	.008	.010	.011	.012	.012	.013	.013	.013	.012	.011	.010	-12.0
-11.9	.0002	.0005	.0007	.0009	.0011	.0013	.0015	.0016	.0018	.0018	.0019	.0020	.0020	.0019	.0018	-11.9
8	.003	.006	.008	.011	.014	.016	.019	.021	.022	.024	.025	.026	.027	.027	.026	8
7	.004	.007	.010	.014	.017	.020	.023	.025	.028	.030	.032	.033	.034	.035	.035	7
6	.004	.008	.012	.016	.020	.023	.027	.030	.033	.035	.038	.040	.041	.043	.043	6
5	.005	.009	.014	.018	.022	.027	.031	.034	.038	.041	.044	.047	.049	.051	.052	5
4	.005	.010	.015	.020	.025	.030	.035	.039	.043	.047	.050	.054	.056	.059	.061	4
3	.006	.011	.017	.023	.028	.033	.038	.043	.048	.052	.056	.060	.064	.067	.069	3
2	.006	.013	.019	.025	.031	.037	.042	.048	.053	.058	.063	.067	.071	.075	.078	2
1	.007	.014	.020	.027	.034	.040	.047	.053	.058	.064	.069	.074	.079	.083	.086	1
-11.0	.007	.015	.022	.030	.037	.044	.050	.057	.063	.070	.075	.081	.086	.091	.095	-11.0
-10.9	.0008	.0016	.0024	.0032	.0040	.0047	.0054	.0062	.0068	.0075	.0082	.0088	.0093	.0098	.0103	-10.9
8	.009	.017	.026	.034	.042	.050	.058	.066	.074	.081	.088	.094	.100	.106	.112	8
7	.009	.018	.027	.036	.045	.054	.062	.071	.079	.087	.094	.101	.108	.114	.120	7
6	.010	.019	.029	.039	.048	.057	.066	.075	.084	.092	.100	.108	.115	.122	.129	6
5	.010	.020	.031	.041	.051	.060	.070	.080	.089	.098	.106	.115	.123	.130	.137	5
4	.011	.022	.032	.043	.054	.064	.074	.084	.094	.104	.113	.122	.130	.138	.146	4
3	.011	.023	.034	.046	.057	.068	.078	.089	.099	.109	.119	.129	.138	.146	.155	3
2	.012	.024	.036	.048	.059	.071	.082	.093	.104	.115	.125	.135	.145	.154	.163	2
1	.013	.025	.038	.050	.062	.074	.086	.098	.109	.121	.132	.142	.152	.162	.172	1
-10.0	.013	.026	.039	.052	.065	.078	.090	.103	.115	.126	.138	.149	.160	.170	.180	-10.0
-9.9	.0014	.0027	.0041	.0054	.0068	.0081	.0094	.0107	.0120	.0132	.0144	.0156	.0167	.0178	.0188	-9.9
8	.014	.028	.043	.057	.071	.085	.098	.112	.125	.138	.150	.163	.175	.186	.197	8
7	.015	.030	.044	.059	.074	.088	.102	.116	.130	.144	.157	.170	.182	.194	.206	7
6	.015	.031	.046	.061	.076	.091	.106	.121	.135	.149	.163	.176	.189	.202	.214	6
5	.016	.032	.048	.064	.079	.095	.110	.125	.140	.155	.169	.183	.197	.210	.223	5
4	.017	.033	.050	.066	.082	.098	.114	.130	.145	.161	.176	.190	.204	.218	.231	4
3	.017	.034	.051	.068	.085	.102	.118	.134	.150	.166	.182	.197	.211	.226	.240	3
2	.018	.035	.053	.070	.088	.105	.122	.139	.156	.172	.188	.204	.219	.234	.248	2
1	.018	.036	.055	.073	.091	.108	.126	.144	.161	.178	.194	.210	.226	.242	.257	1
-9.0	.019	.038	.056	.075	.094	.112	.130	.148	.166	.183	.200	.217	.234	.250	.265	-9.0
-8.9	.0019	.0039	.0058	.0077	.0096	.0115	.0134	.0153	.0171	.0189	.0207	.0224	.0241	.0258	.0274	-8.9
8	.020	.040	.060	.080	.099	.119	.138	.157	.176	.195	.213	.231	.249	.266	.283	8
7	.020	.041	.061	.082	.102	.122	.142	.162	.181	.200	.219	.238	.256	.274	.291	7
6	.021	.042	.063	.084	.105	.126	.146	.166	.186	.206	.225	.245	.263	.282	.300	6
5	.022	.043	.065	.086	.108	.129	.150	.171	.191	.212	.232	.251	.271	.290	.308	5
4	.022	.044	.066	.089	.111	.132	.154	.175	.196	.217	.238	.258	.278	.297	.316	4
3	.023	.046	.068	.091	.113	.136	.158	.180	.202	.223	.244	.265	.285	.305	.325	3
2	.023	.047	.070	.093	.116	.139	.162	.184	.206	.228	.250	.272	.293	.313	.333	2
1	.024	.048	.072	.095	.119	.142	.166	.189	.212	.234	.256	.279	.300	.321	.342	1
-8.0	.024	.049	.073	.098	.122	.146	.170	.194	.217	.240	.263	.285	.308	.329	.350	-8.0

TABLE IXB.—For $D = -23^\circ$.From $Y = -8.0$ to $Y = 0.0$. $\xi = X - \frac{1}{16}X - \frac{1}{80}X$ — Table.

X. Y.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	X. Y.
— 8.0	.0000	.0001	.0001	.0002	.0003	.0004	.0005	.0006	.0008	.0010	.0012	.0015	.0018	.0021	.0024	— 8.0
— 7.9	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0002	.0003	.0004	.0006	.0008	.0010	.0013	.0016	— 7.9
8	.001	.001	.002	.002	.003	.003	.003	.002	.002	.001	.000	.001	.003	.005	.008	8
7	.001	.002	.003	.004	.005	.006	.007	.007	.007	.007	.007	.006	.005	.003	.001	7
6	.002	.004	.005	.007	.008	.010	.011	.012	.012	.013	.013	.013	.012	.011	.010	6
5	.002	.005	.007	.009	.011	.013	.015	.016	.017	.018	.019	.020	.019	.019	.018	5
4	.003	.006	.008	.011	.014	.016	.019	.021	.022	.024	.025	.026	.027	.027	.027	4
3	.004	.007	.010	.014	.017	.020	.023	.025	.028	.030	.032	.033	.034	.035	.035	3
2	.004	.008	.012	.016	.020	.023	.027	.030	.033	.035	.038	.040	.042	.043	.044	2
1	.005	.009	.014	.018	.022	.027	.031	.034	.038	.041	.044	.047	.049	.051	.052	1
— 7.0	.005	.010	.015	.020	.025	.030	.035	.039	.043	.047	.050	.054	.056	.059	.061	— 7.0
— 6.9	.0006	.0011	.0017	.0023	.0028	.0033	.0038	.0043	.0048	.0052	.0056	.0060	.0064	.0067	.0069	— 6.9
8	.006	.012	.019	.025	.031	.037	.042	.048	.053	.058	.063	.067	.071	.075	.078	8
7	.007	.014	.020	.027	.034	.040	.046	.053	.058	.064	.069	.074	.079	.083	.086	7
6	.007	.015	.022	.030	.037	.044	.050	.057	.063	.070	.075	.081	.086	.090	.095	6
5	.008	.016	.024	.032	.040	.047	.054	.062	.068	.075	.082	.088	.093	.098	.103	5
4	.009	.017	.026	.034	.042	.050	.058	.066	.074	.081	.088	.095	.101	.106	.112	4
3	.009	.018	.027	.036	.045	.054	.062	.071	.079	.087	.094	.101	.108	.114	.121	3
2	.010	.019	.029	.039	.048	.057	.066	.075	.084	.092	.100	.108	.115	.122	.129	2
1	.010	.020	.031	.041	.051	.061	.070	.080	.089	.098	.107	.115	.123	.130	.138	1
— 6.0	.011	.022	.032	.043	.054	.064	.074	.084	.094	.104	.113	.122	.130	.138	.146	— 6.0
— 5.9	.0011	.0023	.0034	.0045	.0056	.0067	.0078	.0089	.0099	.0109	.0119	.0128	.0138	.0146	.0154	— 5.9
8	.012	.024	.036	.048	.059	.071	.082	.094	.104	.115	.125	.135	.145	.154	.163	8
7	.013	.025	.038	.050	.062	.074	.086	.098	.109	.121	.132	.142	.152	.162	.172	7
6	.013	.026	.039	.052	.065	.078	.090	.103	.115	.126	.138	.149	.160	.170	.180	6
5	.014	.027	.041	.054	.068	.081	.094	.107	.120	.132	.144	.156	.167	.178	.188	5
4	.014	.028	.043	.057	.071	.085	.098	.112	.125	.138	.150	.163	.175	.186	.197	4
3	.015	.030	.044	.059	.074	.088	.102	.116	.130	.144	.157	.170	.182	.194	.206	3
2	.015	.031	.046	.061	.076	.091	.106	.121	.135	.149	.163	.176	.189	.202	.214	2
1	.016	.032	.048	.064	.079	.095	.110	.125	.140	.155	.169	.183	.197	.210	.223	1
— 5.0	.017	.033	.049	.066	.082	.098	.114	.130	.145	.160	.175	.190	.204	.218	.231	— 5.0
— 4.9	.0017	.0034	.0051	.0068	.0085	.0102	.0118	.0134	.0150	.0166	.0182	.0197	.0212	.0226	.0240	— 4.9
8	.018	.035	.053	.070	.088	.105	.122	.139	.155	.172	.188	.204	.219	.234	.248	8
7	.018	.036	.055	.073	.091	.108	.126	.144	.160	.178	.194	.210	.226	.242	.257	7
6	.019	.038	.056	.075	.094	.112	.130	.148	.166	.183	.200	.217	.234	.250	.265	6
5	.019	.039	.058	.077	.096	.115	.134	.153	.171	.189	.207	.224	.241	.258	.274	5
4	.020	.040	.060	.080	.099	.119	.138	.157	.176	.194	.213	.231	.248	.266	.282	4
3	.020	.041	.061	.082	.102	.122	.142	.162	.181	.200	.219	.238	.256	.274	.291	3
2	.021	.042	.063	.084	.105	.126	.146	.166	.186	.206	.225	.245	.263	.282	.300	2
1	.022	.043	.065	.086	.108	.129	.150	.171	.191	.212	.232	.251	.271	.290	.308	1
— 4.0	.022	.044	.066	.089	.110	.132	.154	.175	.196	.217	.238	.258	.278	.297	.316	— 4.0
— 3.9	.0023	.0046	.0068	.0091	.0113	.0136	.0158	.0180	.0202	.0223	.0244	.0265	.0285	.0305	.0325	— 3.9
8	.023	.047	.070	.093	.116	.139	.162	.184	.207	.229	.250	.272	.293	.313	.334	8
7	.024	.048	.072	.096	.119	.143	.166	.189	.212	.234	.257	.279	.300	.321	.342	7
6	.024	.049	.073	.098	.122	.146	.170	.194	.217	.240	.263	.285	.308	.329	.350	6
5	.025	.050	.075	.100	.125	.149	.174	.198	.222	.246	.269	.292	.315	.337	.359	5
4	.026	.051	.077	.102	.128	.153	.178	.203	.227	.252	.276	.299	.322	.345	.368	4
3	.026	.052	.078	.105	.130	.156	.182	.207	.232	.257	.282	.306	.330	.353	.376	3
2	.027	.053	.080	.107	.133	.160	.186	.212	.237	.263	.288	.313	.337	.361	.385	2
1	.027	.055	.082	.109	.136	.163	.190	.216	.242	.268	.294	.320	.344	.369	.393	1
— 3.0	.028	.056	.084	.111	.139	.167	.194	.221	.248	.274	.300	.326	.352	.377	.402	— 3.0

NOTE.—The numbers in italics are negative.

TABLE IXB. *continued*.—For $D = -23^\circ$.From $Y = -8.0$ to $Y = 0.0$.

$$\xi = X - \frac{1}{16} X - \frac{1}{80} X - \text{Table.}$$

X. Y.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	X. Y.
— 2.9	0028	0057	0085	0114	0142	0170	0198	0225	0253	0280	0307	0333	0359	0385	0410	— 2.9
8	029	058	087	116	145	173	202	230	258	285	313	340	366	393	419	8
7	030	059	089	118	148	177	206	235	263	291	319	347	374	401	427	7
6	030	060	090	120	150	180	210	239	268	297	325	354	382	409	436	6
5	031	061	092	123	153	184	214	244	273	303	332	360	389	417	444	5
4	031	062	094	125	156	187	218	248	278	308	338	367	396	424	453	4
3	032	064	096	127	159	190	222	253	283	314	344	374	404	433	461	3
2	032	065	097	130	162	194	226	257	288	320	350	381	411	441	470	2
1	033	066	099	132	165	197	230	262	294	325	357	388	418	449	478	1
— 2.0	034	067	101	134	167	200	233	266	299	331	363	394	426	456	487	— 2.0
— 1.9	0034	0068	0102	0136	0170	0204	0237	0271	0304	0337	0369	0401	0433	0464	0495	— 1.9
8	035	069	104	139	173	207	241	275	309	342	375	408	440	472	504	8
7	035	070	106	141	176	211	245	280	314	348	382	415	448	480	512	7
6	036	072	107	143	179	214	249	284	319	354	388	422	455	488	521	6
5	036	073	109	145	182	218	253	289	324	359	394	429	463	496	529	5
4	037	074	111	148	184	221	257	294	329	365	400	435	470	504	538	4
3	038	075	112	150	187	224	261	298	334	371	407	442	477	512	547	3
2	038	076	114	152	190	228	265	303	340	376	413	449	485	520	555	2
1	039	077	116	155	193	231	269	307	345	382	419	456	492	528	564	1
— 1.0	039	078	118	157	196	234	273	312	350	388	425	463	500	536	572	— 1.0
— 0.9	0040	0080	0119	0159	0199	0238	0277	0316	0355	0393	0432	0470	0507	0544	0581	— 0.9
8	040	081	121	161	202	241	281	321	360	399	438	476	515	552	589	8
7	041	082	123	164	204	245	285	325	365	405	444	483	522	560	598	7
6	042	083	124	166	207	248	289	330	370	411	450	490	529	568	606	6
5	042	084	126	168	210	252	293	334	375	416	456	497	536	576	615	5
4	043	085	128	170	213	255	297	339	380	422	463	504	544	584	623	4
3	043	086	130	173	216	258	301	344	386	428	469	511	551	592	632	3
2	044	088	131	175	219	262	305	348	391	433	475	517	559	600	640	2
1	044	089	133	177	221	265	309	353	396	439	482	524	566	608	649	1
— 0.0	045	090	135	180	224	269	313	357	401	444	488	531	573	616	657	— 0.0

TABLE X_A.—For D = - 23°.

From Y = 0.0 to Y = + 7.0.

 $\xi = X - \frac{1}{16} X - \frac{1}{60} X$ — Table.

X. Y.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	X. Y.
+ 0.0	0003	0007	0010	0013	0016	0019	0021	0024	0026	0028	0030	0031	0032	0032	0032	+ 0.0
1	004	008	011	015	019	022	025	028	031	034	036	038	039	040	041	1
2	004	009	013	017	022	026	029	033	036	039	042	045	047	048	050	2
3	005	010	015	020	024	029	033	038	041	045	048	051	054	056	058	3
4	006	011	016	022	027	032	037	042	046	051	055	058	062	064	067	4
5	006	012	018	024	030	036	041	046	052	056	061	065	069	072	075	5
6	007	013	020	026	033	039	045	051	057	062	067	072	076	080	084	6
7	007	014	022	029	036	043	049	056	062	068	073	079	084	088	092	7
8	008	016	023	031	039	046	053	060	067	073	080	086	091	096	101	8
+ 0.9	008	017	025	033	041	049	057	065	072	079	086	092	098	104	109	+ 0.9
+ 1.0	0009	0018	0027	0036	0044	0053	0061	0069	0077	0085	0092	0099	0106	0112	0118	+ 1.0
1	010	019	028	038	047	056	065	074	082	090	098	106	113	120	126	1
2	010	020	030	040	050	060	069	078	087	096	105	113	120	128	135	2
3	011	021	032	042	053	063	073	083	092	102	111	120	128	136	143	3
4	011	022	034	045	056	066	077	088	098	108	117	126	135	144	152	4
5	012	024	035	047	058	070	081	092	103	113	123	133	143	152	160	5
6	012	025	037	049	061	073	085	097	108	119	130	140	150	160	169	6
7	013	026	039	052	064	076	089	101	113	124	136	147	157	168	177	7
8	014	027	040	054	067	080	093	106	118	130	142	154	165	175	186	8
+ 1.9	014	028	042	056	070	083	097	110	123	136	148	160	172	184	195	+ 1.9
+ 2.0	0015	0029	0044	0058	0073	0087	0101	0115	0128	0142	0155	0167	0180	0192	0203	+ 2.0
1	015	030	046	061	076	090	105	119	134	147	161	174	187	200	212	1
2	016	032	047	063	078	094	109	124	139	153	167	181	194	208	220	2
3	016	033	049	065	081	097	113	128	144	159	174	188	202	216	229	3
4	017	034	051	067	084	100	117	133	149	164	180	195	209	223	237	4
5	018	035	052	070	087	104	121	137	154	170	186	201	216	231	246	5
6	018	036	054	072	090	107	125	142	159	176	192	208	224	239	254	6
7	019	037	056	074	093	111	129	146	164	181	198	215	231	247	263	7
8	019	038	057	076	095	114	133	151	169	187	205	222	239	255	271	8
+ 2.9	020	040	059	079	098	118	137	156	174	193	211	229	246	263	280	+ 2.9
+ 3.0	0020	0041	0061	0081	0101	0121	0141	0160	0179	0198	0217	0235	0253	0271	0288	+ 3.0
1	021	042	062	083	104	124	145	165	184	204	223	242	261	279	297	1
2	022	043	064	086	107	128	149	169	190	210	230	249	268	287	305	2
3	022	044	066	088	110	131	153	174	195	215	236	256	276	295	314	3
4	023	045	068	090	112	135	157	178	200	221	242	263	283	303	322	4
5	023	046	069	092	115	138	161	183	205	227	248	270	291	311	331	5
6	024	048	071	095	118	142	165	188	210	233	255	276	298	319	340	6
7	024	049	073	097	121	145	169	192	215	238	261	283	305	327	348	7
8	025	050	074	099	124	148	173	196	220	244	267	290	312	335	356	8
+ 3.9	025	051	076	102	127	152	177	201	225	250	273	297	320	343	365	+ 3.9
+ 4.0	0026	0052	0078	0104	0130	0155	0180	0206	0231	0255	0280	0304	0327	0351	0374	+ 4.0
1	027	053	080	106	132	158	184	210	236	261	286	310	335	359	382	1
2	027	054	081	108	135	162	188	215	241	267	292	317	342	366	391	2
3	028	055	083	111	138	165	192	219	246	272	298	324	350	374	399	3
4	028	056	085	113	141	169	196	224	251	278	305	331	357	382	408	4
5	029	058	086	115	144	172	200	228	256	284	311	338	364	390	416	5
6	029	059	088	117	147	176	204	233	261	289	317	345	372	398	425	6
7	030	060	090	120	149	179	208	237	266	295	323	351	379	406	433	7
8	031	061	092	122	152	182	212	242	271	301	330	358	386	414	442	8
+ 4.9	031	062	093	124	155	186	216	246	277	306	336	365	394	422	450	+ 4.9

TABLE XA. *continued.*—For $D = -23^\circ$.From $Y = 0.0$ to $Y = +7.0$. $\xi = X - \frac{1}{16} X - \frac{1}{60} X$ — Table.

X. Y.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	X. Y.
+ 5.0	.0032	.0063	.0095	.0126	.0158	.0189	.0220	.0251	.0282	.0312	.0342	.0372	.0401	.0430	.0459	5.0
1	032	064	097	129	161	192	224	256	287	318	348	379	409	438	467	1
2	033	066	098	131	164	196	228	260	292	324	355	386	416	446	476	2
3	033	067	100	133	166	199	232	265	297	329	361	392	424	454	484	3
4	034	068	102	136	169	203	236	269	302	335	367	399	431	462	493	4
5	035	069	104	138	172	206	240	274	307	341	374	406	438	470	502	5
6	035	070	105	140	175	210	244	278	312	346	380	413	446	478	510	6
7	036	071	107	142	178	213	248	283	318	352	386	420	453	486	518	7
8	036	072	109	145	181	216	252	288	323	358	392	426	460	494	527	8
+ 5.9	037	074	110	147	184	220	256	292	328	363	398	433	468	502	536	5.9
+ 6.0	.0037	.0075	.0112	.0149	.0186	.0223	.0260	.0297	.0333	.0369	.0405	.0440	.0475	.0510	.0544	6.0
1	038	076	114	152	189	227	264	301	338	375	411	447	483	518	553	1
2	038	077	115	154	192	230	268	306	343	380	417	454	490	526	561	2
3	039	078	117	156	195	234	272	310	348	386	424	461	497	534	570	3
4	040	079	119	158	198	237	276	315	353	392	430	467	505	542	578	4
5	040	080	120	161	201	240	280	319	359	397	436	474	512	550	587	5
6	041	082	122	163	203	244	284	324	364	403	442	481	520	558	595	6
7	041	083	124	165	206	247	288	328	369	409	448	488	527	565	604	7
8	042	084	126	167	209	250	292	333	374	414	455	495	534	573	612	8
+ 6.9	042	085	127	170	212	254	296	338	379	420	461	501	542	581	621	6.9
+ 7.0	.0043	.0086	.0129	.0172	.0215	.0257	.0300	.0342	.0384	.0426	.0467	.0508	.0549	.0589	.0629	7.0

TABLE XB.—For $D = -23^\circ$.From $Y = +7.0$ to $Y = +13.0$. $\xi = X - \frac{1}{12} X - \text{Table.}$

X. Y.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	X. Y.
+ 7.0	0001	0003	0004	0005	0006	0007	0008	0009	0009	0009	0009	0008	0007	0006	0004	+ 7.0
1	002	004	006	008	009	011	012	013	014	015	015	015	015	014	013	1
2	003	005	007	010	012	014	016	018	019	020	021	022	022	022	021	2
3	003	006	009	012	015	018	020	022	024	026	028	029	030	030	030	3
4	004	007	011	014	018	021	024	027	030	032	034	036	037	038	038	4
5	004	008	013	017	021	024	028	032	035	038	040	042	044	046	047	5
6	005	010	014	019	024	028	032	036	040	043	046	049	052	054	056	6
7	005	011	016	021	026	031	036	041	045	049	053	056	059	062	064	7
8	006	012	018	024	029	035	040	045	050	055	059	063	067	070	073	8
+ 7.9	006	013	019	026	032	038	044	050	055	060	065	070	074	078	081	+ 7.9
+ 8.0	0007	0014	0021	0028	0035	0042	0048	0054	0060	0066	0072	0077	0081	0086	0090	+ 8.0
1	008	015	023	030	038	045	052	059	065	072	078	083	089	094	098	1
2	008	016	024	033	040	048	056	063	070	077	084	090	096	101	106	2
3	009	018	026	035	043	052	060	068	076	083	090	097	103	109	115	3
4	009	019	028	037	046	055	064	072	081	089	096	104	111	117	124	4
5	010	020	030	039	049	058	068	077	086	094	103	111	118	125	132	5
6	010	021	031	042	052	062	072	082	091	100	109	117	125	133	141	6
7	011	022	033	044	055	065	076	086	096	106	115	124	133	141	149	7
8	012	023	035	046	058	069	080	090	101	111	121	131	140	149	158	8
+ 8.9	012	024	036	048	060	072	084	095	106	117	128	138	148	157	166	+ 8.9
+ 9.0	0013	0025	0038	0051	0063	0076	0088	0100	0111	0123	0134	0145	0155	0165	0175	+ 9.0
1	013	027	040	053	066	079	092	104	117	128	140	152	162	173	183	1
2	014	028	042	055	069	082	096	109	122	134	146	158	170	181	192	2
3	014	029	043	058	072	086	100	113	127	140	152	165	177	189	200	3
4	015	030	045	060	075	089	104	118	132	146	159	172	185	197	209	4
5	016	031	047	062	078	093	108	122	137	151	165	179	192	205	218	5
6	016	032	048	064	080	096	112	127	142	157	172	186	200	213	226	6
7	017	033	050	067	083	100	116	132	147	163	178	192	207	221	235	7
8	017	035	052	069	086	103	120	136	152	168	184	199	214	229	243	8
+ 9.9	018	036	054	071	089	106	124	141	157	174	190	206	222	237	252	+ 9.9
+ 10.0	0018	0037	0055	0074	0092	0110	0128	0145	0162	0180	0196	0213	0229	0245	0260	+ 10.0
1	019	038	057	076	095	113	132	150	168	185	203	220	236	253	269	1
2	020	039	059	078	097	116	136	154	173	191	209	227	244	261	277	2
3	020	040	060	080	100	120	140	159	178	197	215	233	251	269	286	3
4	021	041	062	083	103	123	144	163	183	202	222	240	259	277	294	4
5	021	042	064	085	106	127	148	168	188	208	228	247	266	285	303	5
6	022	044	065	087	109	130	151	172	193	214	234	254	273	292	311	6
7	022	045	067	090	112	134	155	177	198	219	240	261	281	300	320	7
8	023	046	069	092	114	137	159	182	204	225	246	268	288	308	328	8
+ 10.9	024	047	070	094	117	140	163	186	209	231	253	274	296	316	337	+ 10.9
+ 11.0	0024	0048	0072	0096	0120	0144	0167	0191	0214	0236	0259	0281	0303	0324	0345	+ 11.0
1	025	049	074	099	123	147	171	195	219	242	265	288	310	332	354	1
2	025	051	076	101	126	151	175	200	224	248	272	295	318	340	363	2
3	026	052	078	103	129	154	179	204	229	254	278	302	325	348	371	3
4	026	053	079	105	132	157	183	209	234	259	284	308	333	356	380	4
5	027	054	081	108	134	161	187	213	239	265	290	315	340	364	388	5
6	028	055	083	110	137	164	191	218	244	271	297	322	347	372	397	6
7	028	056	084	112	140	168	195	222	250	276	303	329	355	380	405	7
8	029	057	086	114	143	171	199	227	255	282	309	336	362	388	414	8
+ 11.9	029	058	088	117	146	174	203	232	260	288	315	342	370	396	422	+ 11.9

TABLE XB. *continued.*—For $D = -23^\circ$.From $Y = +7.0$ to $Y = +13.0$.

$$\xi = X - \frac{1}{12} X - \text{Table.}$$

X. Y.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	X. Y.
+12.0	.0030	.0060	.0090	.0119	.0149	.0178	.0207	.0236	.0265	.0293	.0322	.0349	.0377	.0404	.0431	+12.0
1	030	061	091	121	151	181	211	241	270	299	328	356	384	412	439	
2	031	062	093	124	154	185	215	245	275	305	334	363	392	420	448	
3	032	063	095	126	157	188	219	250	280	310	340	370	399	428	456	
4	032	064	096	128	160	192	223	254	285	316	346	377	406	436	465	
5	033	065	098	130	163	195	227	259	290	322	353	383	414	444	473	
6	033	066	100	133	166	198	231	263	296	327	359	390	421	452	482	
7	034	068	101	135	168	202	235	268	301	333	365	397	429	460	490	
8	034	069	103	137	171	205	239	272	306	339	372	404	436	468	499	
+12.9	035	070	105	140	174	208	243	277	311	344	378	411	443	476	507	+12.9
+13.0	.0036	.0071	.0106	.0142	.0177	.0212	.0247	.0282	.0316	.0350	.0384	.0418	.0451	.0483	.0516	+13.0

TABLE XI_A.—For $D = -23^\circ$.From $\eta = -13.0$ to $\eta = -8.0$.

$$X = \xi + \frac{1}{15}\xi + \frac{1}{90}\xi + \text{Table.}$$

ξ η	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	ξ η
—13.0	.0001	.0001	.0002	.0003	.0004	.0006	.0008	.0010	.0012	.0016	.0019	.0023	.0028	—13.0
—12.9	.0000	.0000	.0000	.0001	.0001	.0002	.0003	.0004	.0006	.0009	.0012	.0015	.0020	—12.9
8	001	001	002	002	002	002	002	001	001	002	005	008	011	8
7	001	003	004	005	006	006	006	006	005	004	003	000	002	7
6	002	004	006	007	009	010	011	011	011	011	010	008	006	6
5	003	005	008	010	012	014	016	017	017	018	017	016	015	5
4	003	006	010	013	016	018	020	022	023	024	024	024	023	4
3	004	008	012	015	019	022	025	027	029	031	032	032	032	3
2	005	009	014	018	022	026	029	032	035	037	039	040	040	2
1	005	010	016	020	025	030	034	038	041	044	046	048	049	1
—12.0	006	012	018	023	029	034	038	043	047	050	053	056	058	—12.0
—11.9	.0007	.0013	.0020	.0026	.0032	.0038	.0043	.0048	.0053	.0057	.0061	.0064	.0066	—11.9
8	007	014	022	028	035	042	048	054	059	064	068	072	075	8
7	008	016	024	031	038	046	052	059	065	070	075	080	083	7
6	009	017	026	034	042	050	057	064	071	077	082	087	092	6
5	009	018	028	036	045	054	062	069	077	084	090	095	100	5
4	010	020	030	039	048	058	066	075	083	090	097	103	109	4
3	011	021	032	042	052	062	071	080	088	097	104	111	118	3
2	011	022	034	044	055	066	076	085	095	103	112	119	126	2
1	012	024	036	047	058	070	080	091	101	110	119	127	135	1
—11.0	013	025	038	050	062	074	085	096	106	117	126	135	144	—11.0
—10.9	.0013	.0026	.0040	.0052	.0065	.0078	.0090	.0101	.0112	.0123	.0134	.0143	.0152	—10.9
8	014	028	041	055	068	081	094	106	118	130	141	151	160	8
7	014	029	043	058	072	085	099	112	124	136	148	159	169	7
6	015	030	045	060	075	089	103	117	130	143	155	167	178	6
5	016	032	047	063	078	093	108	122	136	150	162	175	186	5
4	016	033	049	066	082	097	113	128	142	156	170	183	195	4
3	017	034	051	068	085	101	117	133	148	163	177	191	204	3
2	018	036	053	071	088	105	122	138	154	170	184	199	212	2
1	018	037	055	074	092	109	126	144	160	176	192	207	221	1
—10.0	019	038	057	076	095	113	131	149	166	183	199	215	230	—10.0
—9.9	.0020	.0040	.0059	.0079	.0098	.0117	.0136	.0154	.0172	.0189	.0206	.0223	.0238	—9.9
8	020	041	061	081	102	121	140	160	178	196	214	231	247	8
7	021	042	063	084	105	125	145	165	184	203	221	239	256	7
6	022	044	065	087	108	129	150	170	190	209	228	246	264	6
5	022	045	067	089	111	133	154	175	196	216	236	254	273	5
4	023	046	069	092	115	137	159	181	202	223	243	262	281	4
3	024	048	071	095	118	141	164	186	208	229	250	270	290	3
2	024	049	073	097	121	145	168	191	214	236	257	278	299	2
1	025	050	075	100	125	149	173	197	220	243	265	286	307	1
—9.0	026	052	077	103	128	153	178	202	226	249	272	294	316	—9.0
—8.9	.0026	.0053	.0079	.0105	.0131	.0157	.0182	.0207	.0232	.0256	.0279	.0302	.0324	—8.9
8	027	054	081	108	135	161	187	213	238	262	287	310	333	8
7	028	056	083	111	138	165	192	218	244	269	294	318	342	7
6	028	057	085	113	141	169	196	223	250	276	301	326	350	6
5	029	058	087	116	145	173	201	228	256	282	308	334	359	5
4	030	060	089	119	148	177	205	234	262	289	316	342	368	4
3	030	061	091	121	151	181	210	239	268	296	323	350	376	3
2	031	062	093	124	154	185	215	244	273	302	330	358	385	2
1	032	064	095	126	158	189	219	250	279	309	338	366	393	1
—8.0	032	065	097	129	161	193	224	255	285	315	345	374	402	—8.0

TABLE XIIb.—For $D = -23^\circ$.From $\eta = +8.0$ to $\eta = +13.0$.

$$X = \xi + \frac{1}{12} \xi + \frac{1}{120} \xi + \text{Table.}$$

$\xi.$ $\eta.$	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	$\xi.$
+ 8.0	.0001	.0002	.0002	.0003	.0003	.0003	.0003	.0002	.0001	.0000	.0002	.0005	.0008	—
1	002	003	004	006	007	007	008	008	007	006	005	003	000	—
2	002	004	006	008	010	011	012	013	013	013	012	011	009	—
3	003	006	008	011	013	015	017	018	019	020	020	019	018	—
4	004	007	010	014	017	019	022	024	026	027	027	027	027	—
5	004	008	012	016	020	023	027	029	032	033	034	035	035	—
6	005	010	015	019	024	028	031	035	038	040	042	043	044	—
7	006	011	017	022	027	032	036	040	044	047	050	052	053	—
8	006	013	019	024	030	036	041	046	050	054	057	060	062	—
+ 8.9	007	014	021	027	034	040	046	051	056	060	064	068	071	+ 8
+ 9.0	.0008	.0015	.0023	.0030	.0037	.0044	.0050	.0056	.0062	.0067	.0072	.0076	.0079	+ 9
1	008	016	025	033	040	048	055	062	068	074	079	084	088	—
2	009	018	027	035	044	052	060	067	074	081	087	092	097	—
3	010	019	029	038	047	056	065	073	080	088	094	100	106	—
4	010	021	031	041	051	060	069	078	087	094	102	109	115	—
5	011	022	033	044	054	064	074	084	093	101	109	117	124	—
6	012	023	035	046	058	068	079	089	099	108	117	125	133	—
7	012	025	037	049	061	072	084	094	105	115	124	133	141	—
8	013	026	039	052	064	076	088	099	110	122	132	141	150	—
+ 9.9	014	027	041	054	068	080	093	105	117	128	139	149	159	+ 9
+ 10.0	.0014	.0029	.0043	.0057	.0071	.0085	.0098	.0111	.0123	.0135	.0147	.0157	.0168	+ 10
1	015	030	045	060	074	089	103	116	129	142	154	166	177	—
2	016	032	047	063	078	093	107	122	136	149	162	174	185	—
3	016	033	049	065	081	097	112	127	142	156	169	182	194	—
4	017	034	051	068	085	101	117	133	148	162	176	190	203	—
5	018	036	053	071	088	105	122	138	154	169	184	198	212	—
6	018	037	055	073	092	109	126	144	160	176	192	206	221	—
7	019	038	057	076	095	113	131	149	166	183	199	215	230	—
8	020	040	059	079	098	117	136	154	172	190	206	223	238	—
+ 10.9	021	041	061	082	102	121	141	160	178	196	214	231	247	+ 10
+ 11.0	.0021	.0042	.0064	.0084	.0105	.0125	.0146	.0165	.0184	.0203	.0221	.0239	.0256	+ 11
1	022	044	066	087	108	130	150	171	191	210	229	247	265	—
2	023	045	068	090	112	134	155	176	197	217	236	255	274	—
3	023	046	070	092	115	138	160	182	203	224	244	264	283	—
4	024	048	072	095	119	142	164	187	209	230	251	272	292	—
5	025	049	074	098	122	146	169	192	215	237	259	280	300	—
6	025	050	076	101	126	150	174	198	221	244	266	288	309	—
7	026	052	078	103	129	154	179	203	227	251	274	296	318	—
8	027	053	080	106	132	158	184	209	233	258	281	304	327	—
+ 11.9	027	055	082	109	136	162	188	214	240	264	289	312	336	+ 11
+ 12.0	.0028	.0056	.0084	.0112	.0139	.0166	.0193	.0220	.0246	.0271	.0296	.0321	.0345	+ 12
1	029	057	086	114	142	170	198	225	252	278	304	329	353	—
2	029	058	088	117	146	174	203	230	258	285	311	337	362	—
3	030	060	090	120	149	178	207	236	264	292	319	345	371	—
4	031	061	092	123	153	183	212	242	270	298	326	353	380	—
5	031	063	094	125	156	187	217	247	276	305	334	362	389	—
6	032	064	096	128	160	191	222	252	282	312	341	370	398	—
7	033	066	098	131	163	195	226	258	289	319	349	378	406	—
8	034	067	100	133	166	199	231	263	295	326	356	386	415	—
+ 12.9	034	068	102	136	170	203	236	269	301	332	364	394	424	+ 12
+ 13.0	.0035	.0070	.0104	.0139	.0173	.0207	.0241	.0274	.0307	.0339	.0371	.0402	.0433	+ 13

HYDERABAD ASTROGRAPHIC CATALOGUE

T A B L E S

FOR THE CONVERSION OF

MEASURED DIAMETERS OF THE STAR-IMAGES

IN

ZONE — 23°

INTO

STELLAR PHOTOGRAPHIC MAGNITUDES BY
MEANS OF THE FORMULA

$$m = a - 0.96 \sqrt{d}$$

Table for converting Diameters (d) into Stellar Magnitudes (m) by the formula $m=a-0.90\sqrt{d}$. $a=14.8$ to 16.1 .

$\begin{smallmatrix} a \\ d \end{smallmatrix}$	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0	16.1	$\begin{smallmatrix} d \\ a \end{smallmatrix}$
8	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	8
9	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	9
10	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	10
11	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	11
12	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12
13	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	13
14	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	14
15	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	15
16	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	16
17	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	17
18	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	18
19	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	19
20	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	20
21	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	21
22	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	22
23	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	23
24	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	24
25	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	25
26	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	26
27	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	27
28	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	28
29	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	29
30	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	30
31	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	31
32	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	32
33	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	33
34	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	34
35	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	35
36	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	36
37	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	37
38	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	38
39	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	39
40	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	40
41	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	41
42	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	42
43	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	43
44	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	44
45	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	45
46	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	46
47	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	47
48	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	48
49	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	49
50	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	50
55	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	55
60	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	60
65	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	65
70	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	70
75	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	75
80	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	80
85	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	85
90	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	90
95	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	95
100	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	100
110	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	110
120	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	120
130	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	130
$\begin{smallmatrix} d \\ a \end{smallmatrix}$	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0	16.1	$\begin{smallmatrix} a \\ d \end{smallmatrix}$

Table for converting Diameters (d) into Stellar Magnitudes (m) by the formula $m=a-0.96\sqrt{d}$. $a=16.2$ to 17.5 .

$\begin{smallmatrix} a \\ d \end{smallmatrix}$	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	$\begin{smallmatrix} a \\ d \end{smallmatrix}$
8	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	8
9	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	9
10	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	10
11	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	11
12	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	12
13	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	13
14	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14
15	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	15
16	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	16
17	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	17
18	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	18
19	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	19
20	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	20
21	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	21
22	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	22
23	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	23
24	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	24
25	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	25
26	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	26
27	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	27
28	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	28
29	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	29
30	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	30
31	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	31
32	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	32
33	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	33
34	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	34
35	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	35
36	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	36
37	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	37
38	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	38
39	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	39
40	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	40
41	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	41
42	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	42
43	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	43
44	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	44
45	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	45
46	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	46
47	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	47
48	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	48
49	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	49
50	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	50
55	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	55
60	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	60
65	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	65
70	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	70
75	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	75
80	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	80
85	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	85
90	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	90
95	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	95
100	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	100
110	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	110
120	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	120
130	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	130
$\begin{smallmatrix} d \\ a \end{smallmatrix}$	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	$\begin{smallmatrix} d \\ a \end{smallmatrix}$

HYDERABAD ASTROGRAPHIC CATALOGUE, 1900

ZONE -23°

MEASURES OF RECTANGULAR CO-ORDINATES AND
DIAMETERS OF STAR-IMAGES

ON PHOTOGRAPHS TAKEN AT THE NIZAMIAH OBSERVATORY,
HYDERABAD

EXPLANATION OF THE COLUMNS.

The heading of each plate gives the approximate R.A. of the centre, the number of the plate in the Hyderabad series, the date of exposure, the provisional constants by means of which the measures may be converted into standard co-ordinates (see Introduction, Sections VII., VIII.), and the formula connecting magnitude and diameter (see Introduction, Section V.).

The first column gives a reference number which is purely arbitrary ; in order to designate a star it is only necessary to state the zone and the number, thus, -23° , 2581 ; neither the plate number nor the R.A. of the plate centre need be stated. Since a gap is always left between the last number of any plate and the first number of the next following plate, there are many numbers which are not allotted to stars ; thus there is no star -23° , 2620.

An asterisk attached to the number in this column indicates that the star is amongst those stars selected from the *Catalogo de 15975 estrellas*—Cordoba A, the standard co-ordinates of which are given on pages 261–305 of this volume.

The second column gives the measured diameter, estimated in units of $0''.15$. These diameters may be converted into magnitudes by means of the formula printed at the head of each plate.

The third and fourth columns give the measured co-ordinates of the stars, denoted by x , y , the directions of the co-ordinate axes being approximately those of increasing R.A. and S. Declination, and the origin being the corner of the réseau : the plate centre is approximately at the point (13, 13).

The stars are arranged in the order of the value of the x co-ordinate for each zone of one unit of y (approximately $5'$). Each printed measure is the mean of at least two independent bisections of the star-image made in positions of the plate with orientations differing by 180° .

R.A. 0 ^h 4 ^m				R.A. 0 ^h 12 ^m			
Plate 1853; 1921 Nov. 21.				Plate 1856; 1921 Nov. 23.			
Provisional Constants.				Provisional Constants.			
A	B	C		A	B	C	
-01759	+00910	-3010		-01754	+01004	-3893	
D	E	F		D	E	F	
-00923	-01725	-2042		-01013	-01725	-1711	
Mag. = 16.4 - 0.96√d				Mag. = 15.9 - 0.96√d			
No.	d	x	y	No.	d	x	y
1	18	4.716	0.940	201	12	0.134	0.319
2*	75	10.594	0.201	202	10	8.848	0.270
3	16	10.965	0.364	203	26	13.287	0.180
4	18	14.966	0.029	204	24	15.700	0.247
5	28	18.070	0.175	205	20	18.084	0.771
6	28	19.700	0.775	206	10	24.374	0.426
7*	66	5.418	1.347	207	13	7.049	1.850
8	44	8.600	1.978	208	22	8.345	1.244
9	22	11.112	1.267	209	28	10.599	1.609
10	24	12.054	1.113	210*	43	11.199	1.943
11	38	12.554	2.022	211	21	15.230	1.091
12	20	15.868	2.784	212*	47	4.925	2.297
13	52	21.485	2.005	213	12	4.932	2.338
14	48	23.380	2.931	214	10	9.351	2.944
15	19	0.810	3.732	215	26	9.459	2.640
16*	43	3.824	3.256	216	32	10.820	2.921
17	16	5.719	3.335	217*	40	11.202	2.550
18	24	7.782	3.324	218	12	13.754	2.020
19	16	12.518	3.034	219	22	18.565	2.213
20	35	24.386	3.963	220	35	20.528	2.659
21	16	24.908	5.188	221	25	22.102	2.790
22	15	3.784	4.964	222	37	1.458	3.251
23	14	15.164	4.926	223	15	2.998	3.482
24	22	15.894	4.438	224	37	4.260	3.774
25	17	25.740	4.936	225	11	12.965	3.770
26	35	2.628	5.010	226	33	18.711	3.268
27	13	5.342	5.921	227	10	22.120	3.264
28*	56	6.850	5.214	228	10	25.264	3.850
29	14	7.834	5.325	229	28	2.484	4.264
30	18	8.205	5.894	230	28	4.848	4.016
31	19	9.537	5.658	231	24	6.188	4.684
32*	54	10.361	5.272	232	22	7.565	4.039
33*	39	14.186	5.970	233	32	9.285	4.245
34	21	17.475	5.824	234	17	9.748	4.848
35	12	23.442	5.432	235	21	14.786	4.165
36	21	25.894	5.825	236	21	15.317	4.496
37	19	4.798	6.674	237	32	15.398	4.650
38	22	8.500	6.198	238*	47	19.302	4.916
39	20	8.976	6.298	239	34	20.216	4.274
40	30	9.275	6.385	240	13	25.936	4.262
41	34	9.388	6.164	241	12	1.562	5.749
42	11	13.394	6.534	242	23	3.852	5.219
43*	60	17.128	6.325	243	29	4.684	5.747
44	38	22.300	6.435	244	21	6.880	5.503
45	16	2.763	7.275	245	31	10.965	5.562
46*	38	7.398	7.526	246*	44	15.106	5.239
47*	38	12.924	7.846	247	29	17.242	5.102
48	27	13.675	7.408	248	10	18.056	5.878
49*	56	21.806	7.856	249	14	21.875	5.010
50	33	24.787	7.376	250	28	22.967	5.874
51	14	24.804	7.387	251	16	24.286	5.356
52	24	2.162	8.775	252	11	0.220	6.111
53	14	4.578	8.662	253	33	0.432	6.768
54	20	11.946	8.534	254	27	4.020	6.106
55	25	13.463	8.882	255	24	10.842	6.726

				R.A. 0 ^h 20 ^m							
				Plate 1857 ; 1921 Nov. 22							
				Provisional Constants.							
				A B C							
				-0.1759 +0.0672 -1.0282							
				D E F							
				-0.0687 -0.1757 -1.1368							
				Mag. = 15.8 - 0.96√d							
				No.	d	x	y				
328	12	1.590	12.750	400	31	22.257	18.790	556	24	5.046	8.935
329*	60	1.624	12.949	401	25	1.750	19.534	557	23	12.115	8.850
330	10	3.084	12.801	402	10	2.358	19.420	558	18	12.160	8.580
331	22	3.850	12.345	403	13	15.391	19.661	559	20	12.841	8.320
332	14	4.208	12.301	404*	33	17.904	19.406	560	20	24.380	8.816
333*	37	9.566	12.240	405	20	21.136	19.775	561	16	10.828	9.153
334	10	12.080	12.304	406	22	23.601	19.242	562	10	12.412	9.080
335	23	16.638	12.612	407	13	24.775	19.370	563	19	19.475	9.650
336	31	17.326	12.568	408	51	25.614	19.022	564	17	20.010	9.652
337	27	17.870	12.434	409	41	25.620	19.003	565	11	20.329	9.171
338	12	20.931	12.084	410	25	25.832	19.566	566	21	6.810	10.512
339	11	21.746	12.700	411	35	3.271	20.448	567	14	7.438	10.626
340	21	2.124	13.650	412	21	3.580	20.716	568	10	11.118	10.274
341*	35	3.249	13.056	413	19	7.706	20.218	569	24	12.138	10.184
342	16	5.310	13.632	414	23	8.742	20.626	570	14	19.276	10.940
343	27	6.170	13.508	415	26	9.248	20.554	571	15	19.304	10.910
344	15	7.475	13.802	416	10	12.772	20.176	572	13	22.720	10.798
345	25	8.209	13.561	417	16	14.669	20.572	573	10	3.104	11.259
346*	34	9.203	13.590	418	22	16.305	20.250	574	12	3.482	11.472
347	22	10.308	13.050	419*	35	17.620	20.932	575	24	5.890	11.012
348	28	19.993	13.338	420	10	18.610	20.366	576	14	6.270	11.754
349	10	23.816	13.124	421	24	22.316	20.566	577	19	7.659	11.081
350	25	25.011	13.041	422	18	25.344	20.910	578	10	8.361	11.742
351	27	3.920	14.510	423	23	0.666	21.823	579	10	10.665	11.224
352	10	9.606	14.440	424*	53	3.621	21.676	580	10	11.784	11.802
353*	39	10.384	14.083	425	11	4.065	21.530	581	12	14.055	11.038
354*	50	10.696	14.192	426*	36	4.566	21.584	582	18	15.220	11.426
355	25	11.530	14.265	427	11	7.215	21.214	583	16	2.642	12.083
356	22	15.831	14.040	428	30	8.470	21.328	584	14	8.494	12.270
357	12	19.166	14.569	429	14	12.080	21.462	585	17	9.460	12.410
358	26	19.922	14.392	430	26	13.316	21.300	586	15	11.146	12.432
359	11	21.058	14.543	431	21	19.400	21.752	587*	37	15.903	12.274
360	31	22.960	14.149	432	10	19.980	21.746	588	12	16.934	12.744
361	28	23.015	14.152	433	10	22.527	21.742	589	12	21.852	12.199
362	27	25.500	14.994	434	10	23.551	21.560	590	10	25.121	12.390
363	47	25.579	14.731	435	11	24.090	21.539	591	32	25.801	12.919
364	21	3.444	15.272	436	20	25.498	21.958	592	10	1.449	13.077
365	28	6.210	15.900	437	11	1.164	22.808	593	14	4.314	13.812
366	24	10.425	15.782	438	22	8.478	22.308	594	13	5.669	13.368
367	15	12.042	15.003	439	26	8.541	22.080	595	12	6.002	13.558
368	10	14.418	15.364	440	11	9.657	22.953	596	16	12.885	13.585
369	12	20.673	15.728	441	10	12.211	22.838	597	14	13.422	13.292
370	29	20.800	15.962	442	15	13.285	22.485	598	12	16.100	13.818
371	10	23.384	15.898	443	15	15.025	22.395	599	11	16.232	13.416
372	19	25.124	15.534	444*	36	17.565	22.405	600	10	21.855	13.620
373	19	25.755	15.952	445	15	23.168	22.270	601	18	23.823	13.204
374	32	25.800	15.112	446	10	1.224	23.498	602	21	0.600	14.110
375	13	5.822	16.747	447	23	2.011	23.890	603	22	0.654	14.114
376	12	6.324	16.393	448	20	4.494	23.474	604	20	3.148	14.929
377	23	14.839	16.434	449	12	8.426	23.647	605*	50	3.220	14.666
378	26	21.699	16.300	450	10	14.312	23.720	606	11	5.075	14.766
379	22	21.836	16.382	451	35	20.444	23.400	607	13	7.276	14.392
380	32	2.986	17.936	452	32	21.624	23.484	608	16	8.087	14.573
381	24	4.483	17.724	453	24	22.273	23.666	609*	24	8.418	14.760
382	17	5.895	17.142	454	21	22.896	23.054	610	12	12.139	14.806
383	10	6.132	17.661	455	46	25.600	23.512	611	19	12.810	14.746
384*	42	7.670	17.809	456	24	4.071	24.256	612	21	15.660	14.580
385	22	8.280	17.108	457	21	7.594	24.834	613	17	20.100	14.334
386	10	12.829	17.865	458	23	9.896	24.352	614*	25	20.340	14.284
387*	39	18.119	17.958	459	28	11.429	24.480	615	11	20.575	14.686
388*	41	1.941	18.422	460*	36	18.020	24.144	616	10	20.838	14.465
389	14	4.192	18.360	461	19	20.437	24.138	617	10	1.044	15.855
390	36	4.968	18.162	462	25	23.339	24.106	618	15	2.780	15.472
391	15	4.992	18.614	463	23	5.669	25.288	619	14	3.416	15.885
392	10	5.458	18.095	464	14	8.148	25.003	620	21	3.450	15.045
393	23	7.580	18.734	465	30	9.080	25.880	621	20	3.672	15.604
394	24	7.604	18.732	466	30	11.800	25.568	622	23	4.241	15.902
395	20	10.475	18.370	467	10	14.051	25.598	623	11	12.614	15.653
396	14	10.786	18.817	468	29	16.167	25.638	624	15	13.844	15.830
397	27	15.452	18.650	469	41	22.946	25.610	625*	36	17.950	15.622
398	13	17.839	18.506					626	20	18.152	15.748
399	28	21.423	18.867					627	10	25.093	15.739

700	12	11.239	23.121	786	15	10.134	5.703	858	14	23.085	13.650	930	13	22.660	20.882	1014	23	5.317	2.554																																																								
701	20	11.310	23.350	787	19	11.614	5.518	859	30	23.535	13.094	931	17	22.865	20.625	1015	31	5.334	2.614																																																								
702*	30	12.548	23.904	788	22	11.692	5.374	860	14	23.856	13.702	932*	38	24.559	20.904	1016*	44	9.934	2.344																																																								
703	11	14.410	23.952	789	23	12.180	5.845	861	20	0.177	14.716	933	32	4.396	21.254	1017	34	18.096	2.968																																																								
704	15	14.650	23.160	790*	53	14.340	5.478	862	34	0.415	14.666	934*	34	4.432	21.272	1018*	41	23.710	2.440																																																								
705	18	1.087	24.065	791*	38	18.609	5.796	863	14	10.404	14.374	935	12	6.338	21.811	1019	20	4.874	3.324																																																								
706	19	4.548	24.736	792	19	22.028	5.690	864	18	16.786	14.036	936	27	7.044	21.532	1020	10	4.878	3.885																																																								
707	14	11.262	24.502	793	24	22.650	5.874	865	15	18.009	14.611	937*	37	9.188	21.334	1021	10	12.139	3.125																																																								
708*	50	11.340	24.150	794	18	16.611	6.084	866	22	19.624	14.324	938	10	13.060	21.824	1022*	46	18.660	3.168																																																								
709*	37	11.560	24.153	795	28	20.328	6.382	867	17	25.540	14.656	939	28	14.502	21.536	1023*	47	19.426	3.732																																																								
710	18	12.908	24.262	796	14	22.440	6.591	868	10	0.658	15.066	940	30	18.910	21.986	1024	18	20.284	3.620																																																								
711*	36	13.886	24.441	797	12	4.894	7.600	869	10	1.722	15.038	941	15	23.301	21.688	1025	36	0.619	4.433																																																								
712	24	19.542	24.844	798	15	6.108	7.218	870	18	5.384	15.881	942	23	5.533	22.428	1026	11	3.930	4.592																																																								
713	38	0.707	25.572	799	10	7.868	7.944	871*	24	7.739	15.516	943	19	6.402	22.589	1027	11	5.436	4.491																																																								
714	34	17.196	25.160	800	30	8.302	7.216	872*	32	10.226	15.156	944	9	15.400	22.398	1028	29	6.426	4.092																																																								
715	15	18.054	25.975	801	14	10.875	7.360	873	18	11.020	15.960	945*	38	25.080	22.195	1029	30	6.481	4.480																																																								
				802	16	11.755	7.480	874	15	12.571	15.134	946	29	2.135	23.220	1030	14	6.797	4.759																																																								
				803	20	17.990	7.514	875	11	12.638	15.265	947*	39	7.005	23.622	1031	15	9.552	4.202																																																								
				804	13	7.074	8.814	876*	26	13.324	15.394	948	13	8.750	23.644	1032	14	11.764	4.834																																																								
				805	15	10.954	8.171	877	17	15.690	15.150	949	37	10.103	23.846	1033	10	13.720	4.832																																																								
				806	22	12.888	8.175	878	22	15.694	15.153	950*	50	15.522	23.674	1034	28	14.548	4.993																																																								
				807*	42	13.094	8.334	879	22	19.879	15.242	951	16	17.189	23.824	1035	16	16.304	4.250																																																								
				808	18	14.384	8.306	880	17	19.976	15.142	952*	37	17.329	23.034	1036	13	18.283	4.562																																																								
				809*	37	15.011	8.682	881	17	21.062	15.960	953	35	17.510	23.280	1037	15	25.410	4.800																																																								
				810	12	17.096	8.756	882	23	4.154	16.666	954	13	24.468	23.144	1038	23	25.617	4.424																																																								
				811	15	17.622	8.860	883	14	5.188	16.066	955	14	3.635	24.734	1039	23	0.220	5.999																																																								
				812	34	22.408	8.581	884	11	5.280	16.065	956*	41	8.488	24.796	1040	24	9.082	5.354																																																								
				813	13	0.350	9.553	885	13	9.454	16.402	957	42	13.690	24.800	1041	27	19.011	5.680																																																								
				814	24	4.396	9.152	886	13	10.401	16.470	958	25	19.054	24.710	1042	32	19.431	5.994																																																								
				815	11	6.894	9.725	887	10	11.401	16.422	959*	58	19.120	24.690	1043	11	19.678	5.131																																																								
				816*	28	13.074	9.616	888	24	15.600	16.010	960	23	19.400	24.616	1044	11	0.650	6.886																																																								
				817	17	13.347	9.796	889	18	18.940	16.036	961	35	21.648	24.328	1045	31	0.848	6.165																																																								
				818	10	17.586	9.846	890	13	20.885	16.958	962	38	6.628	25.035	1046	11	9.868	6.412																																																								
				819*	30	21.726	9.609	891	10	22.098	16.578	963*	46	10.492	25.206	1047	13	9.914	6.477																																																								
				820	24	0.035	10.036	892	12	25.828	16.144	964	32	12.726	25.602	1048	16	14.364	6.310																																																								
				821	13	5.144	10.715	893	52	1.086	17.416	965	44	15.534	25.644	1049	18	16.118	6.130																																																								
				822	11	12.634	10.075	894	20	2.336	17.895	966	25	18.454	25.805	1050	34	16.420	6.190																																																								
				823	20	19.530	10.065	895	23	13.564	17.804	967	22	19.708	25.156	1051	10	16.900	6.254																																																								
				824	23	20.368	10.976	896	23	14.004	17.846	<div>R.A. 0^h 36^m</div> <div>Plate 1860; 1921 Nov. 23.</div> <div>Provisional Constants.</div> <div>A B C</div> <div>-0.1729 +.01204 +.7388</div> <div>D E F</div> <div>-0.1218 -0.1758 -0.366</div> <div>Mag. = 16.1 - 0.96√d</div> <table><tr><td>No.</td><td>d</td><td>x</td><td>y</td></tr><tr><td>1001</td><td>45</td><td>0.414</td><td>0.399</td></tr><tr><td>1002</td><td>17</td><td>4.211</td><td>0.720</td></tr><tr><td>1003</td><td>13</td><td>5.331</td><td>0.811</td></tr><tr><td>1004*</td><td>39</td><td>5.580</td><td>0.425</td></tr><tr><td>1005</td><td>10</td><td>9.818</td><td>0.088</td></tr><tr><td>1006</td><td>31</td><td>14.979</td><td>0.010</td></tr><tr><td>1007*</td><td>49</td><td>24.320</td><td>0.132</td></tr><tr><td>1008</td><td>11</td><td>25.004</td><td>0.880</td></tr><tr><td>1009</td><td>26</td><td>2.205</td><td>1.152</td></tr><tr><td>1010</td><td>10</td><td>4.793</td><td>1.502</td></tr><tr><td>1011</td><td>22</td><td>5.684</td><td>1.764</td></tr><tr><td>1012</td><td>18</td><td>18.590</td><td>1.199</td></tr><tr><td>1013</td><td>32</td><td>21.300</td><td>1.721</td></tr></table>								No.	d	x	y	1001	45	0.414	0.399	1002	17	4.211	0.720	1003	13	5.331	0.811	1004*	39	5.580	0.425	1005	10	9.818	0.088	1006	31	14.979	0.010	1007*	49	24.320	0.132	1008	11	25.004	0.880	1009	26	2.205	1.152	1010	10	4.793	1.502	1011	22	5.684	1.764	1012	18	18.590	1.199	1013	32	21.300	1.721
No.	d	x	y																																																																								
1001	45	0.414	0.399																																																																								
1002	17	4.211	0.720																																																																								
1003	13	5.331	0.811																																																																								
1004*	39	5.580	0.425																																																																								
1005	10	9.818	0.088																																																																								
1006	31	14.979	0.010																																																																								
1007*	49	24.320	0.132																																																																								
1008	11	25.004	0.880																																																																								
1009	26	2.205	1.152																																																																								
1010	10	4.793	1.502																																																																								
1011	22	5.684	1.764																																																																								
1012	18	18.590	1.199																																																																								
1013	32	21.300	1.721																																																																								
				825	23	23.278	10.314	897	17	15.244	17.025	1052*	37	19.102	6.600																																																												
				826	15	2.758	11.153	898	23	18.039	17.444	1053	24	21.241	6.300																																																												
				827	26	6.428	11.401	899	20	20.256	17.596	1054	10	3.480	7.214																																																												
				828	11	8.922	11.946	900*	119	22.126	17.110	1055	10	5.430	7.430																																																												
				829	14	10.057	11.885	901	27	22.654	17.326	1056	16	7.950	7.846																																																												
				830	12	11.936	11.550	902	9	1.493	18.642	1057	11	9.510	7.594																																																												
				831	12	14.664	11.857	903	16	2.197	18.544	1058	13	12.710	7.969																																																												
				832	19	15.376	11.594	904	20	4.410	18.664	1059	21	13.212	7.925																																																												
				833	12	15.636	11.030	905*	26	9.995	18.416	1060	20	16.267	7.963																																																												
				834	16	21.500	11.472	906	20	10.250	18.016	1061	31	16.638	7.689																																																												
				835	14	1.906	12.564	907	13	15.487	18.556	1062	32	23.396	7.236																																																												
				836	13	5.176	12.715	908	25	22.094	18.023	1063	20	23.915	7.302																																																												
				837	20	6.852	12.400	909	33	23.634	18.988	1064*	130	23.924	7.236																																																												
				838	12	7.080	12.381	910	10	4.416	19.044	1065	19	24.630	7.628																																																												
				839	15	11.734	12.076	911	18	5.935	19.614	1066	37	0.660	8.879																																																												
				840*	30	12.884	12.420	912	16	7.782	19.636	1067	16	7.736	8.758																																																												
				841	13	15.558	12.576	913	15	12.881	19.656	1068	32	10.036	8.250																																																												
				842	11	16.986	12.229	914	18	13.051	19.864	1069	16	14.865	8.660																																																												
				843	22	21.324	12.776	915	19	13.636	19.674	1070	11	16.627	8.540																																																												
				844	14	22.174	12.362	916	14	14.413	19.700	1071	21	20.562	8.363																																																												
				845	10	23.571	12.227	917	23	18.649	19.952	1072	15	20.960	8.273																																																												
				846	11	1.925	13.983	918	23	2.702	20.248	1073*	49	22.638	8.026																																																												
				847	21	3.886	13.545	919	17	9.055	20.474	1074	28	22.990	8.722																																																												
				848	11	5.856	13.968	920	22	10.996	20.974	1075	31	23.366	8.562																																																												
				849*	37	5.858	13.236	921	9	11.779	20.814	1076	36	0.000	9.922																																																												
				850	12	9.536	13.826	922	17	11.980	20.156	1077	12	3.707	9.158																																																												
				851	24	13.050	13.266	923	11	12.046	20.144	1078	12	5.788	9.827																																																												
				852	10	13.071	13.988	924	13	12.856	20.510	1079	35	6.225	9.345																																																												
				853	14	14.356	13.044	925	18	17.314	20.396	1080	10	6.388	9.833																																																												
				854	13	17.260	13.438	926	14	18.174	20.951	1081	20	12.859	9.599																																																												
				855	1																																																																						

1086	25	15.758	10.102	1158	25	13.564	18.032	<div>R.A. 0h 44m</div> <div>Plate 1855 ; 1921 Nov. 21.</div> <div>Provisional Constants.</div> <div>A B C</div> <div>—01753 +00553 +0227</div> <div>D E F</div> <div>—00555 —01759 —2492</div> <div>Mag. = 16.0 — 0.96√d</div>	1306	10	1.942	9.866	1378	11	9.916	15.304
1087*	37	16.848	10.847	1159	13	15.464	18.474		1307	12	3.601	9.966	1379	12	11.105	15.786
1088	10	18.214	10.752	1160*	42	17.092	18.910		1308	13	4.050	9.864	1380	14	11.370	15.172
1089*	46	5.446	11.380	1161	21	23.434	18.930		1309	18	5.552	9.171	1381	20	11.457	15.422
1090	27	12.410	11.558	1162	21	23.579	18.944		1310	19	6.536	9.330	1382	15	11.980	15.875
1091	10	13.560	11.762	1163	40	2.103	19.257		1311	10	6.894	9.406	1383	10	12.413	15.650
1092	13	19.760	11.780	1164	15	9.638	19.176		1312	23	8.229	9.635	1384	14	21.790	15.657
1093	20	21.180	11.602	1165	20	10.140	19.140		1313	9	10.150	9.360	1385	17	24.040	15.914
1094	13	25.710	11.454	1166	29	12.788	19.080		1314	11	11.560	9.016	1386	15	25.062	15.910
1095	17	0.506	12.660	1167*	35	13.495	19.100		1315	10	17.250	9.121	1387	10	1.318	16.919
1096	10	1.902	12.499	1168	12	17.026	19.834	1316	52	25.482	9.425	1388	16	3.920	16.668	
1097	22	12.023	12.120	1169	15	19.912	19.013	1317	31	4.884	10.540	1389	28	4.950	16.935	
1098*	34	12.146	12.510	1170*	39	22.730	19.716	1318*	46	5.344	10.025	1390*	35	7.644	16.060	
1099	16	13.342	12.936	1171	10	23.434	19.217	1319	10	7.652	10.675	1391	25	8.442	16.010	
1100*	40	14.178	12.622	1172	24	1.375	20.910	1320	21	9.472	10.857	1392*	33	18.878	16.396	
1101	26	14.710	12.358	1173	27	11.040	20.780	1321	29	9.660	10.100	1393	14	19.463	16.757	
1102	31	15.694	12.412	1174*	44	14.032	20.796	1322	17	13.647	10.150	1394	10	21.570	16.350	
1103*	35	16.788	12.045	1175	28	18.067	20.171	1323	14	14.198	10.686	1395	22	0.330	17.094	
1104	27	18.043	12.864	1176	12	21.345	20.052	1324	29	14.612	10.532	1396*	38	2.110	17.388	
1105	21	20.660	12.139	1177	26	22.240	20.782	1325	12	16.402	10.930	1397	14	7.800	17.057	
1106	10	24.305	12.703	1178	20	25.154	20.440	1326	30	16.976	10.764	1398	10	8.190	17.210	
1107	22	24.580	12.485	1179	12	1.175	21.169	1327	33	20.788	10.388	1399	26	9.411	17.596	
1108	16	24.682	12.474	1180	16	1.832	21.960	1328	11	21.144	10.820	1400	19	10.967	17.998	
1109	27	0.644	13.328	1181*	40	3.070	21.151	1329	9	23.812	10.672	1401	15	12.358	17.862	
1110	14	1.445	13.932	1182*	38	5.840	21.310	1330	12	3.204	11.518	1402	10	15.198	17.212	
1111	39	1.880	13.366	1183	27	5.942	21.960	1331*	33	13.240	11.350	1403	14	18.270	17.115	
1112	20	2.219	13.966	1184*	40	6.320	21.760	1332	10	16.283	11.982	1404*	42	19.900	17.723	
1113*	33	5.684	13.718	1185	31	8.788	21.988	1333	18	16.332	11.994	1405	24	23.748	17.796	
1114	15	5.708	13.717	1186	11	10.652	21.538	1334	11	19.032	11.977	1406	14	23.800	17.866	
1115	19	7.071	13.953	1187	28	12.368	21.877	1335	17	19.846	11.964	1407	18	5.304	18.724	
1116	15	10.632	13.990	1188	10	18.248	21.944	1336	16	20.475	11.596	1408	16	6.914	18.657	
1117	14	12.232	13.304	1189	23	21.814	21.548	1337	34	24.776	11.227	1409	24	7.416	18.574	
1118	36	12.708	13.544	1190	10	23.010	21.686	1338	10	1.810	12.778	1410	10	7.925	18.822	
1119	22	12.837	13.716	1191	13	25.237	21.122	1339	17	2.080	12.560	1411	14	9.079	18.050	
1120	28	20.650	13.401	1192*	40	3.618	22.432	1340	15	2.186	12.546	1412	30	13.843	18.294	
1121	24	23.419	13.202	1193	12	7.251	22.469	1341	9	7.230	12.776	1413	13	23.798	18.228	
1122	26	3.924	14.886	1194	19	7.362	22.518	1342	10	9.703	12.414	1414	12	23.904	18.006	
1123	11	6.341	14.156	1195	23	7.925	22.642	1343*	33	16.468	12.118	1415	37	24.805	18.205	
1124*	37	8.160	14.056	1196	25	9.249	22.131	1344	27	17.608	12.868	1416	37	0.284	19.804	
1125	30	8.572	14.964	1197	20	16.140	22.286	1345	24	18.015	12.154	1417	14	0.985	19.010	
1126*	38	19.027	14.518	1198*	39	17.616	22.348	1346	14	18.864	12.498	1418	15	1.130	19.023	
1127*	44	20.538	14.682	1199	24	18.300	22.718	1347	16	21.890	12.958	1419	31	3.938	19.580	
1128	20	25.446	14.199	1200	15	19.630	22.590	1348	17	0.926	13.286	1420	24	5.436	19.940	
1129	12	3.946	15.797	1201	10	20.450	22.643	1349*	88	5.358	13.326	1421	29	6.416	19.607	
1130	11	20.509	15.530	1202	32	25.546	22.596	1350	18	5.474	13.540	1422	13	7.586	19.015	
1131	25	22.144	15.742	1203	16	3.030	23.392	1351	28	5.971	13.440	1423	9	9.354	19.922	
1132	10	0.520	16.879	1204	14	4.608	23.080	1352	26	10.180	13.184	1424	23	9.356	19.908	
1133	10	3.361	16.540	1205	15	5.425	23.990	1353	15	12.084	13.268	1425*	45	12.586	19.682	
1134	17	4.242	16.366	1206	11	6.280	23.825	1354	21	14.100	13.984	1426	16	16.880	19.575	
1135	15	9.168	16.820	1207	22	11.202	23.267	1355	12	14.130	13.885	1427	17	21.494	19.398	
1136	10	11.115	16.066	1208	10	20.090	23.202	1356	19	16.716	13.434	1428	16	2.714	20.510	
1137	32	16.772	16.750	1209	29	0.236	24.638	1357	26	18.513	13.445	1429*	35	8.877	20.265	
1138	10	23.783	16.840	1210	33	5.202	24.154	1358	10	20.690	13.764	1430	15	10.506	20.904	
1139	115	0.548	17.410	1211	28	6.868	24.924	1359	14	21.428	13.291	1431	24	10.519	20.134	
1140	40	1.088	17.618	1212	18	10.908	24.137	1360	10	24.552	13.700	1432	31	16.774	20.085	
1141	10	7.095	17.884	1213*	45	12.288	24.138	1361	15	2.960	14.265	1433	14	17.565	20.050	
1142	24	9.070	17.604	1214	18	13.434	24.302	1362	26	3.783	14.150	1434	15	17.854	20.718	
1143	27	10.938	17.241	1215	28	15.956	24.070	1363	15	3.916	14.622	1435	24	18.200	20.250	
1144	33	11.385	17.136	1216	14	16.153	24.512	1364	16	5.111	14.519	1436	33	19.085	20.318	
1145	21	11.728	17.129	1217	12	17.986	24.418	1365	31	5.532	14.030	1437	10	23.577	20.712	
1146	12	17.678	17.520	1218	27	18.980	24.670	1366	15	9.820	14.840	1438	15	2.800	21.190	
1147	10	18.676	17.606	1219	11	21.535	24.02									

1450	25	9.906	22.000	1509*	25	22.012	0.152	1581*	29	21.336	9.572	1653	19	4.686	17.462	R.A. 1^h 0^m Plate 1861 ; 1921 Nov. 23. <i>Provisional Constants.</i> A B C -01737 +00022 +0223 D E F -00038 -01753 -2125 Mag.=15.6-0.96√d
1451	14	10.604	22.794	1510	17	22.758	0.656	1582*	33	21.350	9.550	1654*	39	5.957	17.792	
1452	10	12.074	22.410	1511*	32	25.567	0.542	1583	24	21.490	9.400	1655	14	12.024	17.186	
1453	21	12.864	22.738	1512	20	25.970	0.374	1584*	32	21.984	9.378	1656	8	14.850	17.157	
1454*	56	14.100	22.760	1513	32	1.350	1.944	1585*	33	7.257	10.067	1657	16	20.755	17.470	No. d x y 1751 22 0.601 0.292 1752 14 1.349 0.796 1753* 35 4.155 0.690 1754 22 4.560 0.522 1755 25 10.306 0.500 1756 10 10.955 0.346 1757 10 22.222 0.961 1758 23 0.906 1.262 1759 12 4.453 1.483 1760 19 5.195 1.605 1761 15 8.913 1.716 1762 21 9.395 1.959 1763 14 12.302 1.460 1764 25 12.982 1.540 1765* 50 16.050 1.979 1766 12 19.712 1.487 1767 8 19.972 1.210 1768* 28 23.076 1.458 1769* 25 24.625 1.644 1770 14 1.808 2.669 1771* 46 5.994 2.522 1772* 51 6.696 2.526 1773 20 7.786 2.836 1774 10 13.502 2.626 1775 9 21.388 2.148 1776* 39 22.146 2.560 1777 20 11.330 3.660 1778* 39 17.390 3.239 1779 20 19.973 3.236 1780 10 7.848 4.536 1781 9 11.724 4.384 1782 26 15.587 4.205 1783 20 17.602 4.383 1784 18 18.929 4.176 1785* 24 21.118 4.954 1786 28 0.332 5.840 1787 17 5.470 5.994 1788 20 9.200 5.854 1789 21 9.691 5.985 1790 8 10.035 5.368 1791 10 16.869 5.981 1792 10 22.000 5.209 1793 17 0.732 6.750 1794 16 4.435 6.282 1795 19 16.303 6.153 1796 8 17.966 6.156 1797 9 19.030 6.538 1798 8 22.348 6.510 1799 15 0.755 7.654 1800 27 2.680 7.176 1801 17 2.876 7.298 1802 14 5.966 7.590 1803 13 7.253 7.567 1804 16 9.426 7.482 1805 17 16.300 7.932
1455	24	14.807	22.227	1514	10	2.229	1.039	1586	17	7.350	10.100	1658	19	2.450	18.180	
1456	9	14.955	22.576	1515*	44	6.758	1.110	1587	13	8.414	10.357	1659	15	2.506	18.250	
1457	15	15.166	22.968	1516	18	14.285	1.879	1588	10	10.077	10.517	1660	12	2.510	18.610	
1458	14	16.276	22.464	1517	26	22.320	1.120	1589	8	10.751	10.786	1661	15	2.613	18.386	
1459	36	16.740	22.102	1518	10	25.865	1.336	1590	19	14.062	10.308	1662*	34	3.510	18.563	No. d x y 1751 22 0.601 0.292 1752 14 1.349 0.796 1753* 35 4.155 0.690 1754 22 4.560 0.522 1755 25 10.306 0.500 1756 10 10.955 0.346 1757 10 22.222 0.961 1758 23 0.906 1.262 1759 12 4.453 1.483 1760 19 5.195 1.605 1761 15 8.913 1.716 1762 21 9.395 1.959 1763 14 12.302 1.460 1764 25 12.982 1.540 1765* 50 16.050 1.979 1766 12 19.712 1.487 1767 8 19.972 1.210 1768* 28 23.076 1.458 1769* 25 24.625 1.644 1770 14 1.808 2.669 1771* 46 5.994 2.522 1772* 51 6.696 2.526 1773 20 7.786 2.836 1774 10 13.502 2.626 1775 9 21.388 2.148 1776* 39 22.146 2.560 1777 20 11.330 3.660 1778* 39 17.390 3.239 1779 20 19.973 3.236 1780 10 7.848 4.536 1781 9 11.724 4.384 1782 26 15.587 4.205 1783 20 17.602 4.383 1784 18 18.929 4.176 1785* 24 21.118 4.954 1786 28 0.332 5.840 1787 17 5.470 5.994 1788 20 9.200 5.854 1789 21 9.691 5.985 1790 8 10.035 5.368 1791 10 16.869 5.981 1792 10 22.000 5.209 1793 17 0.732 6.750 1794 16 4.435 6.282 1795 19 16.303 6.153 1796 8 17.966 6.156 1797 9 19.030 6.538 1798 8 22.348 6.510 1799 15 0.755 7.654 1800 27 2.680 7.176 1801 17 2.876 7.298 1802 14 5.966 7.590 1803 13 7.253 7.567 1804 16 9.426 7.482 1805 17 16.300 7.932
1460*	47	19.298	22.967	1519*	33	2.605	2.794	1591	14	14.074	10.314	1663	10	6.487	18.450	
1461	10	20.042	22.922	1520	16	6.716	2.224	1592	8	16.596	10.559	1664*	32	7.566	18.790	
1462	31	20.578	22.950	1521	9	7.356	2.280	1593	19	20.697	10.586	1665	31	8.268	18.914	
1463	17	21.164	22.807	1522	10	12.888	2.520	1594	16	23.790	10.223	1666	8	16.387	18.766	No. d x y 1751 22 0.601 0.292 1752 14 1.349 0.796 1753* 35 4.155 0.690 1754 22 4.560 0.522 1755 25 10.306 0.500 1756 10 10.955 0.346 1757 10 22.222 0.961 1758 23 0.906 1.262 1759 12 4.453 1.483 1760 19 5.195 1.605 1761 15 8.913 1.716 1762 21 9.395 1.959 1763 14 12.302 1.460 1764 25 12.982 1.540 1765* 50 16.050 1.979 1766 12 19.712 1.487 1767 8 19.972 1.210 1768* 28 23.076 1.458 1769* 25 24.625 1.644 1770 14 1.808 2.669 1771* 46 5.994 2.522 1772* 51 6.696 2.526 1773 20 7.786 2.836 1774 10 13.502 2.626 1775 9 21.388 2.148 1776* 39 22.146 2.560 1777 20 11.330 3.660 1778* 39 17.390 3.239 1779 20 19.973 3.236 1780 10 7.848 4.536 1781 9 11.724 4.384 1782 26 15.587 4.205 1783 20 17.602 4.383 1784 18 18.929 4.176 1785* 24 21.118 4.954 1786 28 0.332 5.840 1787 17 5.470 5.994 1788 20 9.200 5.854 1789 21 9.691 5.985 1790 8 10.035 5.368 1791 10 16.869 5.981 1792 10 22.000 5.209 1793 17 0.732 6.750 1794 16 4.435 6.282 1795 19 16.303 6.153 1796 8 17.966 6.156 1797 9 19.030 6.538 1798 8 22.348 6.510 1799 15 0.755 7.654 1800 27 2.680 7.176 1801 17 2.876 7.298 1802 14 5.966 7.590 1803 13 7.253 7.567 1804 16 9.426 7.482 1805 17 16.300 7.932
1464	9	22.902	22.726	1523	17	23.227	2.528	1595	10	2.340	11.058	1667	9	16.913	18.257	
1465*	42	5.376	23.366	1524	22	7.160	3.764	1596	28	3.312	11.588	1668	8	18.072	18.029	
1466	27	5.420	23.245	1525*	34	8.200	3.246	1597	10	5.472	11.380	1669	16	18.765	18.222	
1467	15	7.549	23.240	1526	16	19.372	3.652	1598*	35	6.564	11.078	1670	8	25.071	18.056	No. d x y 1751 22 0.601 0.292 1752 14 1.349 0.796 1753* 35 4.155 0.690 1754 22 4.560 0.522 1755 25 10.306 0.500 1756 10 10.955 0.346 1757 10 22.222 0.961 1758 23 0.906 1.262 1759 12 4.453 1.483 1760 19 5.195 1.605 1761 15 8.913 1.716 1762 21 9.395 1.959 1763 14 12.302 1.460 1764 25 12.982 1.540 1765* 50 16.050 1.979 1766 12 19.712 1.487 1767 8 19.972 1.210 1768* 28 23.076 1.458 1769* 25 24.625 1.644 1770 14 1.808 2.669 1771* 46 5.994 2.522 1772* 51 6.696 2.526 1773 20 7.786 2.836 1774 10 13.502 2.626 1775 9 21.388 2.148 1776* 39 22.146 2.560 1777 20 11.330 3.660 1778* 39 17.390 3.239 1779 20 19.973 3.236 1780 10 7.848 4.536 1781 9 11.724 4.384 1782 26 15.587 4.205 1783 20 17.602 4.383 1784 18 18.929 4.176 1785* 24 21.118 4.954 1786 28 0.332 5.840 1787 17 5.470 5.994 1788 20 9.200 5.854 1789 21 9.691 5.985 1790 8 10.035 5.368 1791 10 16.869 5.981 1792 10 22.000 5.209 1793 17 0.732 6.750 1794 16 4.435 6.282 1795 19 16.303 6.153 1796 8 17.966 6.156 1797 9 19.030 6.538 1798 8 22.348 6.510 1799 15 0.755 7.654 1800 27 2.680 7.176 1801 17 2.876 7.298 1802 14 5.966 7.590 1803 13 7.253 7.567 1804 16 9.426 7.482 1805 17 16.300 7.932
1468*	91	14.636	23.150	1527	10	21.094	3.282	1599	17	8.871	11.522	1671	10	0.238	19.840	
1469	13	15.294	23.074	1528*	34	7.374	4.076	1600	18	9.300	11.666	1672	15	10.465	19.069	
1470	10	15.460	23.354	1529*	35	9.938	4.558	1601	18	9.705	11.608	1673	8	11.765	19.158	
1471*	44	18.109	23.564	1530	28	20.953	4.234	1602	13	22.460	11.774	1674	12	12.407	19.682	No. d x y 1751 22 0.601 0.292 1752 14 1.349 0.796 1753* 35 4.155 0.690 1754 22 4.560 0.522 1755 25 10.306 0.500 1756 10 10.955 0.346 1757 10 22.222 0.961 1758 23 0.906 1.262 1759 12 4.453 1.483 1760 19 5.195 1.605 1761 15 8.913 1.716 1762 21 9.395 1.959 1763 14 12.302 1.460 1764 25 12.982 1.540 1765* 50 16.050 1.979 1766 12 19.712 1.487 1767 8 19.972 1.210 1768* 28 23.076 1.458 1769* 25 24.625 1.644 1770 14 1.808 2.669 1771* 46 5.994 2.522 1772* 51 6.696 2.526 1773 20 7.786 2.836 1774 10 13.502 2.626 1775 9 21.388 2.148 1776* 39 22.146 2.560 1777 20 11.330 3.660 1778* 39 17.390 3.239 1779 20 19.973 3.236 1780 10 7.848 4.536 1781 9 11.724 4.384 1782 26 15.587 4.205 1783 20 17.602 4.383 1784 18 18.929 4.176 1785* 24 21.118 4.954 1786 28 0.332 5.840 1787 17 5.470 5.994 1788 20 9.200 5.854 1789 21 9.691 5.985 1790 8 10.035 5.368 1791 10 16.869 5.981 1792 10 22.000 5.209 1793 17 0.732 6.750 1794 16 4.435 6.282 1795 19 16.303 6.153 1796 8 17.966 6.156 1797 9 19.030 6.538 1798 8 22.348 6.510 1799 15 0.755 7.654 1800 27 2.680 7.176 1801 17 2.876 7.298 1802 14 5.966 7.590 1803 13 7.253 7.567 1804 16 9.426 7.482 1805 17

1806*	32	17.843	7.846	1878	10	25.825	13.596	1950	11	23.990	21.822	2006	13	18.656	0.654	2078	24	2.668	11.382
1807	20	17.906	7.638	1879	8	5.082	14.834	1951	10	9.452	22.654	2007	25	19.351	0.440	2079*	43	5.028	11.416
1808	23	18.317	7.344	1880	9	5.679	14.786	1952	11	11.345	22.880	2008*	41	22.560	0.959	2080	10	9.182	11.820
1809*	33	18.512	7.312	1881	8	7.602	14.880	1953	12	14.740	22.902	2009	14	24.480	0.227	2081	18	13.729	11.120
1810	19	19.630	7.946	1882	18	12.768	14.947	1954	8	18.495	22.306	2010	37	1.260	1.730	2082	17	24.508	11.770
1811	11	21.169	7.423	1883	8	12.978	14.248	1955	14	19.694	22.180	2011	10	2.663	1.662	2083	12	0.748	12.390
1812	15	21.380	7.084	1884	8	13.572	14.230	1956	11	20.040	22.578	2012*	39	2.814	1.878	2084	39	0.902	12.436
1813	13	23.309	7.167	1885	15	16.046	14.558	1957*	42	5.160	23.489	2013	17	3.396	1.183	2085	35	11.257	12.549
1814*	26	25.056	7.259	1886	13	16.860	14.802	1958	14	9.127	23.282	2014	12	9.716	1.976	2086	20	11.480	12.054
1815	8	5.686	8.640	1887	15	16.912	14.074	1959	11	9.130	23.890	2015	30	13.780	1.657	2087	10	14.056	12.288
1816	9	10.954	8.550	1888	30	18.353	14.572	1960	12	16.772	23.246	2016	16	18.015	1.161	2088*	42	18.070	12.366
1817*	29	11.388	8.385	1889	19	18.478	14.998	1961*	30	25.000	23.630	2017	14	21.108	1.340	2089*	40	24.692	12.478
1818	16	14.481	8.416	1890	9	18.948	14.022	1962	8	2.832	24.729	2018	43	0.352	2.856	2090*	37	24.739	12.280
1819	22	16.586	8.289	1891	21	21.094	14.200	1963	8	5.113	24.943	2019	10	17.454	2.167	2091	10	0.804	13.490
1820	18	18.934	8.588	1892	19	21.598	14.570	1964	14	9.618	24.322	2020	18	20.482	2.170	2092	14	4.296	13.800
1821	20	18.935	8.580	1893	18	25.112	14.840	1965	18	10.427	24.673	2021	10	4.130	3.190	2093	32	6.437	13.152
1822*	29	23.325	8.666	1894	11	25.130	14.834	1966	11	11.429	24.630	2022	18	9.146	3.073	2094	15	6.810	13.040
1823	21	0.046	9.540	1895	11	1.187	15.398	1967	16	14.373	24.080	2023	18	18.639	3.988	2095*	40	12.574	13.547
1824	27	0.538	9.518	1896	29	1.406	15.601	1968	9	15.328	24.276	2024	15	19.034	3.384	2096*	43	18.669	13.298
1825	8	0.796	9.222	1897	14	3.904	15.109	1969	8	15.920	24.333	2025*	50	20.350	3.874	2097	11	18.766	13.378
1826	19	3.392	9.148	1898	10	9.140	15.346	1970	31	16.970	24.578	2026	21	25.385	3.806	2098	29	19.052	13.405
1827	9	4.243	9.026	1899	22	13.338	15.216	1971	25	17.523	24.132	2027	10	8.892	4.965	2099	28	21.627	13.890
1828	16	8.765	9.572	1900	17	15.800	15.282	1972	32	19.176	24.458	2028	12	14.809	4.900	2100	14	24.450	13.502
1829	8	10.648	9.601	1901	13	17.246	15.448	1973	26	19.198	24.134	2029	24	15.180	4.224	2101	23	0.096	14.874
1830	16	11.088	9.340	1902	17	25.374	15.778	1974	29	19.292	24.158	2030	27	21.905	4.834	2102	10	0.174	14.090
1831	29	11.211	9.860	1903	9	2.778	16.996	1975	12	19.933	24.038	2031*	50	24.249	4.820	2103	34	0.450	14.274
1832	18	14.624	9.378	1904*	33	4.204	16.650	1976	8	19.944	24.800	2032	10	0.272	5.504	2104	10	6.318	14.716
1833	16	16.153	9.566	1905	14	10.379	16.320	1977	16	21.622	24.338	2033	12	7.152	5.991	2105	32	10.659	14.408
1834	8	17.380	9.387	1906	16	20.185	16.732	1978	11	21.977	24.358	2034	19	15.711	5.158	2106	25	13.496	14.076
1835	9	18.346	9.289	1907	9	20.465	16.194	1979	11	24.553	24.258	2035	30	18.584	5.800	2107	12	13.750	14.010
1836	10	18.588	9.503	1908	15	21.406	16.892	1980	17	25.896	24.252	2036	22	19.412	5.780	2108	29	14.123	14.340
1837	28	22.027	9.130	1909	19	23.182	16.910	1981	25	2.590	25.937	2037	12	8.128	6.352	2109	19	14.954	14.280
1838*	33	22.034	9.130	1910	8	7.380	17.434	1982	14	2.710	25.410	2038*	39	10.738	6.052	2110	12	17.561	14.516
1839	17	23.219	9.310	1911	11	16.445	17.490	1983	9	3.175	25.244	2039	25	12.141	6.964	2111	10	19.737	14.160
1840	17	2.344	10.368	1912	21	17.286	17.458	1984	10	3.258	25.086	2040	32	12.352	6.752	2112	17	20.621	14.215
1841*	31	9.432	10.542	1913	18	17.864	17.942	1985	22	3.608	25.291	2041	22	13.098	6.624	2113	23	25.126	14.240
1842*	50	18.918	10.434	1914*	43	18.704	17.157	1986	8	3.724	25.437	2042	25	13.536	6.320	2114	10	1.216	15.593
1843	9	20.690	10.506	1915	8	23.065	17.142	1987	10	6.182	25.124	2043*	39	16.048	6.458	2115	12	1.633	15.102
1844	14	22.329	10.550	1916	19	24.518	17.519	1988	27	7.173	25.250	2044	22	16.678	6.044	2116	28	3.614	15.062
1845	11	1.010	11.916	1917	9	2.491	18.027	1989	14	7.350	25.246	2045	34	17.280	6.450	2117	23	3.896	15.992
1846	17	2.840	11.880	1918	11	3.601	18.183	1990	8	14.010	25.808	2046	13	22.515	6.882	2118	22	4.724	15.280
1847	9	5.144	11.566	1919	19	5.258	18.291	1991	12	14.976	25.370	2047	11	24.400	6.120	2119	26	5.340	15.186
1848	12	6.928	11.287	1920	19	6.916	18.600	1992	47	15.913	25.882	2048	23	1.628	7.432	2120	25	5.780	15.970
1849	20	9.622	11.450	1921	12	11.915	18.874	1993	13	16.698	25.776	2049*	40	3.376	7.481	2121	11	6.949	15.300
1850	15	12.144	11.120	1922	12	12.033	18.262	1994	8	19.055	25.230	2050*	39	8.494	7.180	2122*	34	9.276	15.744
1851	13	13.802	11.450	1923	9	12.881	18.260					2051	16	10.461	7.360	2123	31	9.384	15.990
1852	20	18.246	11.316	1924	10	14.324	18.892					2052	25	15.400	7.370	2124*	41	9.911	15.800
1853	14	19.048	11.005	1925	10	15.730	18.140					2053	25	15.968	7.629	2125*	40	11.897	15.029
1854	16	24.254	11.140	1926	9	18.784	18.900					2054	25	22.863	7.460	2126	26	12.716	15.002
1855	10	2.930	12.336	1927	8	25.392	18.507					2055	13	24.392	7.880	2127	38	17.214	15.232
1856	18	9.287	12.946	1928	10	4.304	19.410					2056	36	1.679	8.930	2128	16	20.420	15.542
1857	12	9.783	12.572	1929*	28	7.336	19.634					2057	10	2.344	8.674	2129*	40	6.962	16.401
1858	16	10.370	12.245	1930	12	16.056	19.212					2058	10	7.485	8.652	2130	21	12.557	16.808
1859*	30	11.884	12.986	1931	11	21.216	19.380					2059	21	16.916	8.990	2131	10	13.790	16.594
1860*	33	12.172	12.794	1932	8	22.098	19.250					2060	13	23.471	8.536	2132	18	13.881	16.672
1861	18	12.729	12.457	1933	23	25.198	19.436					2061	40	0.394	9.425	2133	10	14.803	16.230
1862	11	14.422	12.800	1934	10	25.633	19.956					2062	23	1.590	9.578	2134	10	15.576	16.335
1863*	28	16.510	12.402	1935	10	0.478	20.570					2063	22	8.382	9.685	2135	11	20.250	16.445
1864	12	18.442	12.986	1936	10	1.062	20.318					2064	10	9.052	9.848	2136	33	21.796	16.344
1865	16	20.018	12.331	1937*	30	4.026	20.142					2065	12	9.169	9.290	2137	10	1.624	17.410
1866	28	21.268	12.134	1938	14	11.162	20.556					2066	12	9.330	9.800	2138	29	1.733	17.177
1867	12	22.310	12.100	1939	12	16.162	20.194					2067	28	15.238	9.456	2139	28	3.082	17.753
1868	31	22.467	12.152	1940	14	16.280	20.644					2068	25	17.756	9.750	2140	21	6.603	17.704
1869	9	23.769	12.741	1941	20	17.268	20.194					2069	10	17.940	9.190	2141	21	10.447	17.204
1870	10	3.823	13.780	1942	16	4.582	21.912					2070	34	18.298	9.136	2142	22	10.451	17.689
1871*	39	12.788	13.040	1943*	42	8.914	21.030					2071	10	19.935	9.821	2143	10	14.330	17.645
1872	9	14.733	13.560	1944	14	10.400	21												

2150	34	19.868	17.726	<div><div>R.A. 1^h 16^m</div><div>Plate 1867; 1921 Nov. 25.</div><div>Provisional Constants.</div><div>A B C</div><div>-01790 +00849 -4226</div><div>D E F</div><div>-00878 -01757 +0490</div><div>Mag.=16.3-0.96√d</div></div>	2306	17	7.673	11.892	2378	14	15.460	22.815	2427	41	24.214	4.578
2151*	43	20.444	17.938		2307	33	9.968	11.324	2379	16	17.115	22.118	2428	9	3.177	5.726
2152	10	3.982	18.720		2308*	32	13.740	11.970	2380*	38	19.094	22.580	2429	13	6.431	5.643
2153	25	6.865	18.098		2309	21	25.047	11.670	2381	23	24.857	22.860	2430	8	7.087	5.553
2154	14	11.182	18.221		2310	15	1.703	12.002	2382	24	3.009	23.161	2431	12	8.005	5.032
2155	24	12.806	18.190		2311*	40	1.894	12.708	2383*	47	6.100	23.762	2432	28	8.152	5.602
2156	24	20.605	18.974		2312*	40	1.939	12.510	2384	33	14.136	23.590	2433	8	10.850	5.030
2157	34	3.808	19.653		2313*	34	6.931	12.678	2385	20	16.758	23.109	2434	13	11.410	5.457
2158	28	6.530	19.627		2314	36	9.436	12.662	2386	22	3.219	24.942	2435	16	13.195	5.496
2159	12	9.730	19.035		2315	28	10.584	12.979	2387*	63	5.851	24.867	2436	8	14.780	5.192
2160	33	13.477	19.300	2316*	40	15.342	12.997	2388	27	9.750	24.268	2437	19	22.457	5.320	
2161	10	13.522	19.630	2317*	40	18.911	12.846	2389	22	12.160	24.942	2438	24	23.558	5.457	
2162	13	14.297	19.622	2318	11	20.014	12.679	2390	24	13.449	24.150	2439	19	2.390	6.960	
2163*	42	17.790	19.089	2319	24	20.850	12.910	2391	27	20.420	24.610	2440	14	15.900	6.572	
2164	19	4.258	20.163	2320	13	1.666	13.737	2392	28	8.916	25.882	2441	16	19.592	6.659	
2165	23	6.350	20.206	2321	31	8.248	13.560	2393	26	11.899	25.200	2442*	37	1.703	7.148	
2166	13	7.664	20.612	2322	13	14.715	13.728	2394	41	13.528	25.624	2443	13	4.469	7.892	
2167	34	10.330	20.885	2323	31	19.152	13.544	2395	17	15.392	25.510	2444	22	6.117	7.492	
2168	18	10.976	20.396	2324	24	21.028	13.381	2396	25	16.916	25.950	2445	9	7.597	7.198	
2169	11	12.012	20.558	2325	25	2.350	14.467	2397	32	18.896	25.816	2446*	72	10.168	7.227	
2170	25	13.590	20.073	2326	19	9.860	14.854	2398	44	24.771	25.510	2447	10	13.382	7.954	
2171	10	14.925	20.550	2327	21	9.949	14.254	2399	21	25.180	25.564	2448	11	13.666	7.536	
2172	21	15.923	20.461	2328	30	10.125	14.470					2449	11	15.252	7.402	
2173	27	19.650	20.272	2329	21	12.855	14.438					2450	10	18.788	7.725	
2174	27	21.806	20.396	2330	35	21.736	14.551					2451	10	18.857	7.192	
2175	10	5.809	21.522	2331	30	23.020	14.360					2452	33	0.266	8.822	
2176	24	6.011	21.850	2332	21	8.440	15.790					2453	9	3.968	8.576	
2177	10	9.812	21.800	2333	28	15.880	15.529					2454	9	6.460	8.066	
2178	33	12.659	21.332	2334	24	6.024	16.684					2455	10	7.168	8.738	
2179	10	14.688	21.357	2335*	46	6.695	16.875					2456	15	8.707	8.228	
2180	35	17.395	21.272	2336	39	6.722	16.860					2457	31	9.892	8.390	
2181*	35	18.190	21.018	2337	10	12.094	16.940					2458	19	10.767	8.480	
2182	13	20.273	21.320	2338	23	14.641	16.222					2459	19	13.296	8.178	
2183	24	20.884	21.344	2339	34	14.841	16.149					2460	11	14.266	8.617	
2184	18	24.798	21.358	2340	12	16.205	16.428					2461	17	15.144	8.623	
2185*	34	25.169	21.632	2341	32	19.651	16.510					2462	14	20.821	8.737	
2186*	45	25.196	21.642	2342	28	19.858	16.978					2463	8	21.884	8.652	
2187	18	2.661	22.068	2343*	42	21.468	16.108					2464	15	22.548	8.237	
2188	31	5.417	22.742	2344	12	24.708	16.728					2465	11	23.104	8.000	
2189	12	5.534	22.822	2345	23	9.565	17.528					2466	19	25.280	8.034	
2190	35	6.470	22.768	2346*	36	14.522	17.784					2467	26	5.426	9.146	
2191	22	8.385	22.167	2347	30	17.713	17.460					2468	24	9.450	9.216	
2192	32	10.600	22.496	2348	19	18.578	17.770					2469	18	12.090	9.772	
2193	34	13.686	22.583	2349	12	4.188	18.190					2470	18	12.526	9.246	
2194	24	19.580	22.961	2350	35	9.892	18.874					2471	29	15.476	9.648	
2195	27	19.816	22.774	2351*	39	9.938	18.224					2472	18	17.307	9.081	
2196	13	21.230	22.211	2352	25	14.635	18.324					2473	27	24.232	9.705	
2197*	47	22.050	22.569	2353	24	14.656	18.558					2474	21	1.884	10.142	
2198	13	24.564	22.482	2354	16	19.740	18.618					2475	19	3.434	10.078	
2199	22	25.683	22.942	2355*	80	6.060	19.140					2476	19	5.725	10.666	
2200*	41	3.712	23.852	2356	15	7.610	19.754					2477	15	7.500	10.524	
2201	25	7.729	23.062	2357	39	10.722	19.560					2478*	73	8.576	10.782	
2202	15	10.325	23.320	2358	30	12.456	19.884					2479	10	8.817	10.008	
2203	34	16.215	23.846	2359	12	13.452	19.795					2480*	43	10.390	10.750	
2204	20	20.792	23.528	2360	22	15.292	19.646					2481	11	16.799	10.506	
2205	22	0.355	24.639	2361	18	17.007	19.330					2482*	36	18.118	10.264	
2206	12	0.710	24.652	2362	19	18.439	19.396					2483	9	18.742	10.576	
2207	15	3.284	24.490	2363*	40	5.950	20.846					2484	38	24.788	10.455	
2208	33	4.626	24.454	2364*	47	8.660	20.224					2485	15	3.252	11.568	
2209	20	7.314	24.463	2365	22	14.525	20.470					2486	20	9.207	11.136	
2210	25	8.804	24.174	2366	10	22.502	20.446					2487	24	10.306	11.543	
2211	11	10.410	24.202	2367	23	2.106	21.587					2488	15	18.786	11.502	
2212*	42	11.778	24.062	2368*	40	2.477	21.859					2489*	40	20.745	11.976	
2213	22	14.920	24.282	2369*	48	2.500	21.866					2490*	54	23.137	11.542	
2214	20	17.952	24.950	2370	32	4.924	21.833					2491	8	3.452	12.369	
2215	16	25.870	24.724	2371	29	8.730	21.747					2492*	31	7.912	12.859	
2216	22	8.109	25.960	2372	34	15.014	21.236					2493	8	9.617	12.192	
2217	21	14.029	25.181	2373	37	16.471	21.290					2494	29	10.726	12.940	
				2374*	37	17.870	21.852					2495*	34	12.418	12.353	
				2375	13	1.885	22.714					2496	18	13.218	12.514	
				2376	23	11.635	22.362					2497	15	14.946	12.886	
				2377	14	11.814	22.752					2498*	58	15.687	12.891	

2499	32	15.834	12.718	2571	32	20.512	20.981	2657	42	22.417	0.493	2729	42	0.213	12.382	2801	16	19.258	16.622
2500*	36	18.462	12.886	2572	15	21.036	20.120	2658	8	25.066	0.030	2730	16	6.857	12.790	2802	12	22.494	16.504
2501	9	5.570	13.832	2573	10	21.574	20.963	2659	10	25.716	0.732	2731*	40	9.026	12.000	2803	13	24.584	16.055
2502	16	12.508	13.798	2574	24	23.354	20.393	2660	23	8.220	1.616	2732*	37	12.260	12.561	2804	10	2.186	17.739
2503	13	17.076	13.614	2575	13	5.127	21.217	2661	26	20.792	1.506	2733*	47	12.329	12.004	2805	11	4.680	17.701
2504*	37	23.744	13.396	2576	9	5.272	21.246	2662	16	22.033	1.482	2734	27	12.359	12.445	2806*	32	6.798	17.440
2505	9	25.022	13.435	2577	9	6.442	21.029	2663*	47	12.066	2.482	2735*	48	13.598	12.064	2807	24	7.128	17.736
2506	16	25.578	13.970	2578	20	9.164	21.272	2664	15	12.364	2.140	2736	23	13.940	12.927	2808	10	8.274	17.580
2507	22	1.262	14.288	2579	9	12.164	21.515	2665	25	13.944	2.580	2737	8	16.177	12.696	2809*	39	8.758	17.375
2508	24	12.148	14.495	2580	30	14.664	21.544	2666	31	15.576	2.370	2738*	35	18.728	12.047	2810	14	14.012	17.707
2509	24	19.614	14.136	2581*	47	17.246	21.370	2667	33	18.710	2.864	2739	30	18.768	12.956	2811	11	15.507	17.214
2510	17	21.422	14.914	2582*	39	20.372	21.218	2668	36	19.628	2.456	2740	12	19.104	12.378	2812	12	16.336	17.490
2511	15	23.954	14.960	2583	20	3.220	22.760	2669	12	20.062	2.256	2741	26	19.897	12.150	2813	14	18.030	17.496
2512	8	1.219	15.736	2584*	40	7.801	22.230	2670	14	20.215	2.338	2742	16	21.952	12.432	2814*	35	18.395	17.630
2513	31	6.317	15.337	2585	9	10.960	22.399	2671	26	20.406	2.366	2743	14	23.310	12.334	2815*	52	22.196	17.519
2514	16	8.382	15.308	2586	11	11.548	22.900	2672*	42	3.563	3.720	2744*	36	3.231	13.758	2816	29	0.209	18.951
2515	10	8.393	15.687	2587	9	14.533	22.968	2673	11	9.990	3.536	2745	12	4.513	13.780	2817	10	3.096	18.910
2516	12	9.026	15.934	2588	19	14.987	22.262	2674	11	18.362	3.920	2746	28	5.686	13.634	2818	14	5.707	18.235
2517	8	9.600	15.347	2589	10	18.514	22.940	2675	24	21.149	3.077	2747	12	6.070	13.494	2819*	31	6.346	18.630
2518	13	10.084	15.006	2590	28	18.650	22.780	2676	73	25.554	3.412	2748	29	8.748	13.247	2820	14	9.290	18.066
2519*	43	11.635	15.806	2591	9	23.214	22.076	2677*	49	3.578	4.933	2749	15	9.090	13.554	2821	14	11.622	18.446
2520	9	12.935	15.428	2592*	45	12.856	23.204	2678	17	5.120	4.092	2750	33	9.926	13.369	2822	10	13.396	18.716
2521	28	12.960	15.644	2593	9	19.051	23.487	2679	24	6.773	4.407	2751	16	11.608	13.655	2823	27	13.568	18.966
2522	17	20.176	15.652	2594	16	19.293	23.703	2680	14	9.070	4.090	2752	11	13.428	13.663	2824	16	13.646	18.150
2523	8	22.945	15.114	2595	10	24.580	23.561	2681	10	9.305	4.900	2753	10	13.496	13.063	2825	23	14.090	18.532
2524	16	23.608	15.263	2596	21	4.696	24.347	2682	22	9.506	4.302	2754	14	20.998	13.260	2826	13	15.346	18.857
2525	13	2.984	16.630	2597	8	7.106	24.338	2683	12	10.870	4.760	2755	8	22.677	13.026	2827	29	20.120	18.523
2526	10	3.047	16.360	2598	13	10.224	24.673	2684	31	12.517	4.856	2756	18	25.254	13.330	2828	32	21.459	18.798
2527*	60	5.106	16.288	2599*	49	11.762	24.026	2685	8	17.326	4.918	2757	14	3.492	14.341	2829	13	0.168	19.269
2528	17	7.308	16.316	2600	10	14.277	24.508	2686	33	18.156	4.857	2758	12	3.967	14.488	2830	20	4.455	19.190
2529	11	14.645	16.746	2601	10	14.320	24.370	2687	23	1.837	5.700	2759	18	5.080	14.304	2831	23	4.755	19.110
2530	9	16.046	16.900	2602	11	18.084	24.968	2688	29	2.938	5.820	2760	12	8.883	14.652	2832	28	9.192	19.130
2531	16	17.954	16.688	2603	27	21.035	24.283	2689	15	8.816	5.360	2761	15	9.376	14.157	2833	11	14.921	19.996
2532	16	18.873	16.123	2604	38	3.168	25.410	2690	14	14.901	5.988	2762	18	11.990	14.190	2834	28	16.908	19.920
2533	15	19.130	16.300	2605	20	3.584	25.460	2691	15	20.548	5.167	2763	14	15.790	14.144	2835	11	18.952	19.884
2534	16	22.014	16.476	2606	10	8.814	25.476	2692	27	21.840	5.886	2764	19	16.074	14.741	2836	15	19.554	19.576
2535	26	23.052	16.502	2607	28	9.274	25.063	2693	8	12.822	6.286	2765	19	16.616	14.072	2837	16	20.496	19.996
2536	11	10.694	17.899	2608	26	13.310	25.873	2694	12	16.198	6.201	2766	14	16.825	14.730	2838	38	21.880	19.785
2537	8	20.316	17.788	2609	22	13.351	25.708	2695	8	0.578	7.558	2767	32	19.274	14.592	2839	16	25.984	19.930
2538	8	25.132	17.360	2610	25	14.556	25.828	2696	17	10.120	7.633	2768	30	19.363	14.889	2840	15	0.624	20.518
2539	8	4.920	18.258	2611	15	17.320	25.534	2697	28	22.157	7.947	2769	18	19.598	14.340	2841	29	3.945	20.760
2540	14	5.162	18.872	2612	10	20.812	25.360	2698	11	24.474	7.374	2770	31	25.050	14.236	2842	16	7.902	20.152
2541	11	6.948	18.286	2613	9	21.162	25.760	2699	18	1.970	8.615	2771	26	25.594	14.546	2843	28	10.599	20.276
2542	8	8.054	18.830	2614	26	22.910	25.012	2700	14	2.520	8.374	2772	20	0.936	15.308	2844	17	11.634	20.971
2543	11	9.440	18.544					2701	24	4.696	8.374	2773	9	2.462	15.488	2845	9	15.040	20.406
2544	28	10.145	18.916					2702	26	10.136	8.303	2774	20	3.125	15.626	2846	26	17.520	20.660
2545	8	13.442	18.610					2703	14	20.470	8.752	2775	19	3.469	15.316	2847	20	17.626	20.886
2546*	31	13.510	18.720					2704	18	20.698	8.390	2776	26	6.090	15.610	2848*	48	20.198	20.046
2547	21	16.606	18.832					2705	10	20.778	8.110	2777	32	7.043	15.680	2849	10	20.830	20.370
2548	11	17.290	18.990					2706	35	25.861	8.049	2778	28	7.264	15.490	2850	11	25.069	20.927
2549	17	19.410	18.618					2707	15	0.248	9.140	2779	9	7.530	15.206	2851	33	0.110	21.386
2550	13	20.596	18.862					2708	10	5.723	9.436	2780	14	7.861	15.450	2852	11	1.175	21.354
2551	28	20.645	18.548					2709*	33	6.835	9.735	2781	26	8.678	15.048	2853	10	7.864	21.100
2552	8	23.533	18.545					2710	8	7.606	9.576	2782	31	11.424	15.420	2854	17	9.002	21.990
2553	16	24.885	18.844					2711	12	15.600	9.796	2783	8	12.754	15.134	2855*	33	11.329	21.886
2554	15	25.188	18.768					2712	14	16.907	9.380	2784	11	13.250	15.477	2856	8	14.286	21.882
2555	10	3.964	19.686					2713	30	3.660	10.060	2785	10	13.642	15.305	2857	8	14.292	21.734
2556*	35	6.941	19.963					2714*	38	4.235	10.803	2786	24	17.590	15.998	2858	12	20.156	21.410
2557	8	8.766	19.666					2715	10	7.272	10.716	2787	24	21.904	15.166	2859	11	2.832	22.444
2558	21	16.777	19.806					2716	14	11.199	10.430	2788*	41	24.393	15.995	2860	31	8.314	22.516
2559	9	20.228	19.710					2717	11	15.277	10.030	2789*	40	25.060	15.941	2861	30	8.375	22.959
2560	8	21.426	19.585					2718	13	21.944	10.679	2790	19	1.548	16.861	2862	29	9.100	22.576
2561	9	21.624	19.348					2719	13	25.710	10.168	2791	28	2.586	16.874	2863	14	11.209	22.152
2562	9	0.833	20.378					2720*	56	2.597	11.913	2792*	40	6.444	16.130	2864	17	14.265	22.020
2563	11	4.996	20.548					2721	21	11.907	11.914	2793	10	6.752	16.440	2865*	34	22.880	22.571
2564	13	5.925	20.281					2722*	36	17.126	11.818	2794	9	9.200	16.877	2866	14	4.220	23.914

2873*	40	9.128	24.146	2942	15	23.664	5.016	3014	10	19.450	14.710	3086	22	15.110	23.325	3178	16	16.188	5.120
2874	15	13.192	24.529	2943	37	4.505	6.024	3015	34	25.516	14.400	3087	27	15.948	23.594	3179	22	19.256	5.956
2875	11	20.369	24.975	2944	10	12.790	6.060	3016*	40	2.844	15.952	3088	24	22.498	23.961	3180	17	4.132	6.116
2876	27	20.747	24.372	2945*	58	14.802	6.332	3017	28	8.505	15.965	3089	28	25.777	23.291	3181	37	10.425	6.774
2877	24	25.782	24.170	2946	16	16.259	6.710	3018	14	9.467	15.782	3090	25	3.729	24.167	3182	17	12.772	6.055
2878	30	2.568	25.384	2947	15	20.662	6.898	3019*	44	9.864	15.244	3091	25	7.058	24.130	3183	19	16.014	6.964
2879	9	19.816	25.610	2948	12	2.106	7.394	3020	12	12.414	15.360	3092	14	8.165	24.782	3184	18	18.086	6.176
2880	26	20.798	25.634	2949	24	11.280	7.848	3021	24	18.210	15.868	3093	14	8.285	24.324	3185	22	19.094	6.232
2881	19	22.615	25.100	2950	13	13.150	7.365	3022	14	18.635	15.155	3094	12	11.665	24.990	3186*	42	19.906	6.961
				2951	12	18.273	7.811	3023*	34	22.060	15.571	3095	14	22.717	24.789	3187	38	20.906	6.466
				2952	18	18.871	7.944	3024	14	22.457	15.945	3096	20	0.580	25.156	3188	19	7.862	7.437
				2953	23	19.727	7.966	3025	20	22.534	15.860	3097	14	2.886	25.106	3189	15	17.506	7.369
				2954	20	20.342	7.802	3026	17	24.726	15.716	3098	20	9.826	25.134	3190	21	2.472	8.146
				2955	22	24.796	7.864	3027	14	0.298	16.564	3099	12	9.948	25.074	3191	28	2.638	8.968
				2956	38	3.501	8.045	3028*	43	2.179	16.018	3100	13	10.582	25.186	3192	13	5.165	8.224
				2957*	50	3.874	8.324	3029	17	2.375	16.074	3101	43	10.977	25.424	3193*	31	6.058	8.655
				2958	20	4.626	8.556	3030	10	3.428	16.432	3102	52	11.570	25.426	3194	22	6.400	8.002
				2959	14	8.926	8.074	3031	10	7.736	16.962	3103	19	11.629	25.698	3195	20	8.030	8.100
				2960	12	10.340	8.298	3032	24	10.678	16.522	3104	24	12.324	25.130	3196*	32	8.062	8.536
				2961*	40	15.610	8.505	3033	11	11.400	16.760	3105	14	14.877	25.704	3197*	58	9.520	8.492
				2962	10	15.952	8.095	3034	10	17.650	16.844	3106	16	21.339	25.600	3198	14	10.323	8.615
				2963	20	17.026	8.050	3035	24	20.374	16.596	3107	33	23.577	25.350	3199	15	11.175	8.967
				2964	15	18.201	8.538	3036*	40	20.802	16.087	3108	28	24.381	25.095	3200	18	13.862	8.050
				2965	24	19.520	8.867	3037	13	20.958	16.812					3201	23	24.756	8.362
				2966	16	19.650	8.106	3038	22	23.936	16.650					3202*	58	0.784	9.258
				2967*	60	23.106	8.966	3039	60	0.009	17.583					3203	21	3.054	9.575
				2968	24	24.956	8.688	3040*	42	6.944	17.715					3204	29	5.216	9.954
				2969*	40	9.530	9.922	3041	28	8.590	17.210					3205	23	6.890	9.341
				2970	13	11.230	9.803	3042	11	9.476	17.246					3206	17	11.550	9.522
				2971	23	19.286	9.510	3043	24	13.493	17.170					3207	22	12.884	9.292
				2972*	43	22.084	9.021	3044	24	15.306	17.369					3208	21	18.894	9.152
				2973	11	23.504	9.888	3045	14	18.970	17.284					3209	17	19.206	9.602
				2974	20	25.367	9.298	3046	10	19.324	17.075					3210	19	19.716	9.046
				2975	16	3.395	10.167	3047	18	19.411	17.022					3211	19	20.011	9.776
				2976	12	5.940	10.734	3048	15	4.704	18.268					3212	22	22.236	9.584
				2977	16	12.465	10.056	3049	17	5.246	18.196					3213	19	23.022	9.004
				2978	18	12.778	10.090	3050	14	7.334	18.476					3214	22	23.488	9.836
				2979	22	13.210	10.486	3051	12	12.674	18.435					3215*	46	2.786	10.608
				2980	14	17.304	10.360	3052	12	16.030	18.470					3216	28	4.356	10.100
				2981	12	17.584	10.995	3053	12	0.841	19.112					3217*	34	4.868	10.360
				2982	15	17.858	10.048	3054	20	3.850	19.925					3218	20	16.894	10.966
				2983	45	25.100	10.328	3055	15	6.540	19.196					3219	19	17.506	10.064
				2984	14	1.586	11.898	3056	15	9.441	19.898					3220	18	24.864	10.532
				2985	24	6.554	11.974	3057	10	12.925	19.540					3221	14	2.734	11.475
				2986	18	8.625	11.074	3058	12	17.662	19.851					3222	23	3.162	11.665
				2987	20	9.080	11.884	3059	18	17.751	19.570					3223	14	9.128	11.008
				2988	23	16.098	11.364	3060	16	18.590	19.435					3224*	37	12.550	11.604
				2989	16	17.460	11.741	3061	30	25.786	19.920					3225	22	13.034	11.850
				2990*	40	20.996	11.024	3062	15	2.955	20.936					3226	19	21.005	11.241
				2991	10	24.505	11.894	3063	16	6.499	20.717					3227	17	23.282	11.169
				2992	11	25.036	11.195	3064	28	9.600	20.365					3228	16	24.440	11.506
				2993	24	25.462	11.388	3065*	40	9.618	20.370					3229*	37	3.396	12.410
				2994	15	1.035	12.376	3066	22	10.632	20.296					3230	11	4.274	12.514
				2995	20	10.560	12.648	3067	20	12.576	20.658					3231	23	4.856	12.614
				2996	20	12.997	12.921	3068	22	14.353	20.568					3232	17	9.398	12.134
				2997	12	16.948	12.804	3069	20	15.416	20.790					3233	20	11.624	12.593
				2998	17	20.860	12.580	3070	12	16.490	20.838					3234	13	16.318	12.655
				2999	15	23.564	12.834	3071	17	18.640	20.152					3235*	98	23.256	12.592
				3000	40	25.697	12.132	3072*	40	19.114	20.128					3236*	38	4.866	13.002
				3001	11	0.531	13.228	3073	16	19.400	20.696					3237	14	6.114	13.276
				3002	17	2.997	13.338	3074	10	20.192	20.120					3238	15	7.074	13.714
				3003	10	7.206	13.010	3075	18	20.763	20.851					3239	23	7.454	13.964
				3004	24	9.857	13.165	3076	36	23.037	20.919					3240	27	7.483	13.980
				3005	12	20.186	13.277	3077	15	4.787	21.540					3241	19	20.294	13.032
				3006*	40	21.930	13.659	3078	33	20.308	21.210					3242*	38	21.138	13.210
				3007	15	25.906	13.909	3079	15	20.356	21.238					3243	21	21.882	13.787
				3008	28	2.806	14.248	3080	21	22.264	21.559					3244	17	23.068	13.374
				3009	25	3.357	14.548	3081	10	24.791	21.942					3245	18	24.604	13.584
				3010	10	9.462	14.476	3082	37	0.794	22.622					3246	28	3.230	14.678
				3011	20	12.926	14.705	3083	37	14.354	22.710					3247	17	3.622	14.184
				3012*	36	17.920	14.170	3084	12	17.830	22.975					3248	24	7.878	14.356
				3013	12	19.316	14.610	3085	17	14.230	23.652					3249	12	17.386	14.624

R.A. 1^h 40^m
Plate 1871; 1921 Nov. 26.
Provisional Constants.
A B C
-01750 +01396 +0656
D E F
-01449 -01726 -2090
Mag.=16.4-0.96√d

R.A. 1^h 48^m
Plate 1868; 1921 Nov. 25.
Provisional Constants.
A B C
-01727 : 00675 -4442
D E F
-00684 -01753 -2466
Mag.=16.1-0.96√d

No.	d	x	y
3151	24	14.872	0.062
3152*	54	16.182	0.852
3153	15	22.188	0.177
3154	17	6.050	1.334
3155*	39	7.150	1.092
3156	16	8.400	1.208
3157	24	17.794	1.022
3158	37	19.326	1.235
3159	22	10.685	2.515
3160	16	18.216	2.315
3161	34	19.975	2.643
3162	23	20.632	2.824
3163	16	2.030	3.716
3164	22	2.094	3.212
3165	27	3.684	3.346
3166	23	14.498	3.294
3167			

3250	23	20.834	14.956	3322	17	8.764	24.826	3390	21	25.000	5.208	3462	31	17.053	11.074	3534	10	10.540	20.720
3251*	32	21.005	14.064	3323	16	11.378	24.232	3391	10	6.485	6.262	3463	19	24.220	11.508	3535	26	11.091	20.550
3252*	37	22.473	14.816	3324	21	15.036	24.810	3392	11	6.940	6.900	3464*	100	1.365	12.619	3536*	47	12.330	20.748
3253*	38	6.121	15.614	3325*	39	15.722	24.118	3393	25	13.700	6.142	3465*	38	10.289	12.490	3537	9	16.410	20.262
3254	17	7.362	15.250	3326	17	0.504	25.086	3394	36	16.565	6.734	3466	31	0.024	13.838	3538	20	17.320	20.199
3255*	38	18.636	15.692	3327	33	1.366	25.644	3395*	45	20.910	6.070	3467	16	1.202	13.402	3539	39	18.224	20.888
3256	21	19.855	15.675	3328	31	2.169	25.382	3396*	49	21.830	6.433	3468	12	1.686	13.149	3540	31	19.128	20.346
3257	13	0.189	16.243	3329	26	6.010	25.146	3397	11	23.860	6.730	3469	14	2.228	13.106	3541	39	22.659	20.781
3258	23	0.261	16.155	3330	55	7.201	25.498	3398	17	10.150	7.536	3470	22	2.746	13.590	3542	33	2.562	21.682
3259	24	1.668	16.936	3331	35	18.516	25.129	3399	31	10.819	7.551	3471	11	9.054	13.726	3543	10	2.616	21.350
3260	21	2.451	16.000	3332	68	23.600	25.296	3400*	65	11.708	7.118	3472	23	10.545	13.080	3544	26	4.072	21.564
3261	19	8.033	16.960					3401	12	13.489	7.855	3473	14	11.231	13.878	3545	39	7.889	21.566
3262	18	12.334	16.865					3402	20	13.840	7.252	3474	25	13.439	13.263	3546	12	18.400	21.216
3263*	27	13.124	16.400					3403	12	15.094	7.302	3475	30	17.622	13.920	3547	13	20.322	21.908
3264	22	16.885	16.130					3404	27	16.029	7.704	3476	23	19.545	13.812	3548	32	24.096	21.120
3265	23	16.987	16.985					3405	13	16.608	7.157	3477*	37	23.950	13.036	3549	32	24.965	21.444
3266	13	17.451	16.284					3406*	44	18.225	7.220	3478*	44	0.629	14.856	3550	44	25.056	21.000
3267*	38	23.502	16.668					3407	14	20.466	7.132	3479*	37	6.604	14.284	3551	10	2.570	22.875
3268	12	10.955	17.887					3408	24	24.777	7.586	3480	22	10.864	14.072	3552*	41	3.725	22.412
3269	26	12.452	17.710					3409	31	25.510	7.890	3481	23	11.858	14.210	3553*	46	8.020	22.616
3270	17	17.714	17.460					3410	30	25.948	7.398	3482	30	17.992	14.654	3554	41	10.100	22.052
3271	16	20.444	17.692					3411	28	2.810	8.367	3483	23	19.985	14.000	3555	20	11.055	22.590
3272	15	20.586	17.222					3412	10	3.712	8.437	3484	22	23.002	14.594	3556	32	12.136	22.766
3273	23	22.194	17.298					3413*	48	7.163	8.591	3485	10	1.089	15.020	3557	11	13.788	22.526
3274	22	5.875	18.004					3414*	42	7.283	8.456	3486	26	6.520	15.848	3558	10	14.786	22.124
3275	15	10.263	18.415					3415	23	7.900	8.920	3487*	41	7.804	15.100	3559	66	0.304	23.200
3276*	29	11.452	18.254					3416	14	9.240	8.409	3488	25	11.820	15.762	3560	19	0.894	23.164
3277	23	11.529	18.776					3417	15	11.629	8.938	3489	11	14.624	15.418	3561	23	1.255	23.811
3278	20	19.738	18.712					3418	11	16.936	8.193	3490	20	15.508	15.786	3562	31	7.478	23.413
3279	14	23.352	18.948					3419	26	17.930	8.801	3491	14	16.905	15.948	3563	33	7.720	23.930
3280	15	3.934	19.374					3420	20	19.677	8.758	3492	20	19.539	15.964	3564*	64	9.047	23.220
3281	20	8.664	19.188					3421	19	21.264	8.841	3493	22	19.700	15.215	3565	19	9.977	23.800
3282	15	13.736	19.570					3422	32	0.310	9.630	3494	12	21.371	15.514	3566	34	13.073	23.420
3283*	40	15.372	19.766					3423	21	1.086	9.038	3495*	43	1.688	16.690	3567	26	15.782	23.530
3284	17	16.900	19.196					3424	30	1.564	9.862	3496	12	6.965	16.048	3568	37	16.498	23.848
3285	22	17.794	19.117					3425	10	2.300	9.228	3497	28	7.152	16.830	3569	41	20.658	23.460
3286	18	21.272	19.930					3426	22	6.076	9.951	3498	25	7.770	16.600	3570	35	20.731	23.068
3287*	39	21.898	19.743					3427*	41	7.788	9.186	3499	21	19.573	16.591	3571	35	22.536	23.490
3288	17	24.450	19.728					3428*	45	7.790	9.460	3500	10	20.735	16.454	3572	14	8.621	24.356
3289	22	25.622	19.283					3429	12	8.012	9.420	3501	28	0.392	17.340	3573	12	8.636	24.400
3290	22	25.806	19.702					3430	21	11.400	9.409	3502	22	6.300	17.404	3574	13	10.682	24.850
3291	28	3.536	20.198					3431	31	11.448	9.288	3503*	66	7.797	17.130	3575	24	10.935	24.606
3292	23	9.247	20.272					3432	15	12.772	9.971	3504*	78	7.818	17.146	3576	30	12.476	24.230
3293*	59	10.402	20.056					3433	19	13.764	9.926	3505*	44	7.956	17.954	3577	53	1.926	25.312
3294	21	15.446	20.399					3434*	43	15.384	9.546	3506	23	11.635	17.996	3578	14	3.572	25.550
3295*	35	20.322	20.551					3435	17	16.531	9.237	3507	10	13.334	17.210	3579	27	8.245	25.968
3296	25	23.155	20.366					3436	12	18.986	9.560	3508	25	18.842	17.988	3580	33	9.792	25.598
3297	21	0.028	21.856					3437	11	21.429	9.147	3509	11	19.830	17.730				
3298	34	0.794	21.214					3438	16	21.624	9.105	3510	22	19.970	17.828				
3299*	38	6.898	21.423					3439	27	21.748	9.237	3511	32	22.794	17.810				
3300	21	10.301	21.119					3440	35	22.732	9.976	3512	13	1.582	18.974				
3301	23	11.898	21.596					3441	17	2.954	10.530	3513	15	3.512	18.972				
3302	15	12.181	21.505					3442	26	4.990	10.300	3514	33	5.243	18.469				
3303	22	12.792	21.034					3443	28	5.424	10.559	3515	11	8.461	18.605				
3304	13	13.558	21.750					3444	18	6.703	10.007	3516	12	12.061	18.060				
3305	13	14.884	21.905					3445	30	6.769	10.818	3517	32	18.580	18.186				
3306	25	16.432	21.431					3446	16	15.201	10.261	3518	10	19.928	18.422				
3307	25	18.210	21.256					3447	13	15.219	10.272	3519	45	0.136	19.794				
3308	12	18.760	21.814					3448*	34	16.868	10.612	3520	21	2.692	19.734				
3309	18	20.488	21.303					3449	11	17.569	10.808	3521	29	3.855	19.268				
3310	26	20.805	21.124					3450	16	19.259	10.410	3522	25	4.046	19.688				
3311	30	24.290	21.675					3451	12	19.464	10.372	3523	10	5.490	19.890				
3312	22	25.800	21.582					3452*	36	19.542	10.948	3524	19	9.628	19.766				
3313	20	13.550	22.224					3453	12	23.245	10.919	3525	10	10.282	19.676				
3314	39	25.440	22.424					3454	31	23.505	10.044	3526	10	15.394	19.046				
3315	33	3.551	23.570					3455	26	25.200	10.410	3527	10	16.060	19.530				
3316	13	10.804	23.323					3456	23	1.380	11.198	3528	26	22.908	19.872				
3317*	59	22.014	23.154					3457	23	2.545	11.515	3529	14	23.875	19.910				
3318	21	22.594	23.126					3458	24	6.444	11.127	3530	17	24.947	19.940				
3319	22	22.946	23.780					3459	11	10.318	11.398	3531	23	25.964	19.390				
3320	24	0.278	24.260					3460	10	11.017	11.654	3532	31	1.406	20.392				
3321	14	3.571	24.757					3461	18	13.502	11.538	3533*	40	5.795	20.716				

R.A. 1^h 56^m

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Provisional Constants.

3605	11	10.621	0.421	3677*	27	5.087	13.642	3749	14	13.277	24.179	3858	16	11.658	6.900	3910	12	19.605	15.89c
3606	13	8.560	1.359	3678	23	5.096	13.651	3750	25	16.848	24.868	3859	19	13.234	6.200	3911	28	20.526	15.381
3607	8	11.665	1.905	3679	9	6.778	13.550	3751	13	18.808	24.684	3860	11	16.726	6.925	3912	31	22.722	15.900
3608	12	13.252	1.677	3680	11	10.660	13.602	3752	21	22.733	24.956	3861	13	19.120	6.041	3913*	67	3.138	16.626
3609	25	16.056	1.767	3681	17	11.999	13.427	3753*	52	7.372	25.038	3862	10	20.920	6.700	3914	28	8.946	16.239
3610	13	20.674	1.653	3682	15	20.078	13.720	3754	18	7.940	25.130	3863	30	21.530	6.286	3915	10	10.116	16.875
3611*	38	22.156	1.100	3683	13	20.653	13.495	3755	28	10.475	25.705	3864	10	22.375	6.584	3916	8	10.606	16.100
3612*	27	2.738	2.173	3684	30	20.923	13.970	3756	25	13.060	25.910	3865*	37	22.700	6.993	3917	10	12.750	16.741
3613	23	5.287	2.182	3685	21	6.971	14.768	3757*	40	17.607	25.280	3866	13	3.656	7.245	3918	14	13.493	16.700
3614	29	9.757	2.857	3686	10	7.783	14.498	3758	24	19.443	25.764	3867	27	5.780	7.889	3919	10	15.842	16.573
3615	21	13.988	2.709	3687	20	12.419	14.509	3759	38	24.907	25.190	3868	9	6.410	7.294	3920	19	16.844	16.328
3616	9	18.898	2.371	3688	12	24.026	14.140					3869	15	9.542	7.116	3921	8	17.334	16.196
3617	25	20.046	2.981	3689	26	25.512	14.672					3870*	48	14.986	7.984	3922	17	23.654	16.916
3618	12	5.388	3.712	3690	17	1.982	15.180					3871	14	16.609	7.240	3923	21	25.734	16.770
3619*	50	5.474	3.719	3691	20	12.058	15.132					3872	28	19.850	7.734	3924	26	25.739	16.538
3620	32	12.587	3.166	3692	18	13.904	15.390					3873	22	22.485	7.646	3925	9	0.660	17.272
3621	22	14.580	3.150	3693	20	14.126	15.508					3874*	60	22.588	7.510	3926	15	3.866	17.345
3622	28	15.364	3.658	3694	10	17.054	15.860					3875	20	4.321	8.334	3927	28	4.057	17.012
3623	10	24.197	3.119	3695	9	20.688	15.886					3876	18	5.765	8.735	3928	10	4.953	17.248
3624	12	1.067	4.916	3696	14	5.635	16.415					3877	32	12.434	8.956	3929	27	10.386	17.470
3625	30	19.733	4.331	3697	9	10.846	16.036					3878	28	17.203	8.031	3930*	45	10.500	17.223
3626	19	3.830	5.762	3698	14	19.322	16.150					3879	29	21.358	8.710	3931*	41	15.154	17.211
3627	20	6.163	5.350	3699	33	21.516	16.188					3880	10	22.030	8.502	3932	10	16.249	17.748
3628	25	24.586	5.820	3700	59	25.470	16.560					3881	16	2.270	9.006	3933	13	18.190	17.170
3629	16	7.522	6.252	3701	20	6.323	17.919					3882	26	4.759	9.480	3934	15	19.940	17.254
3630	10	13.590	6.826	3702	29	16.120	17.987					3883*	36	4.186	10.540	3935	18	21.169	17.064
3631	23	14.134	6.660	3703	21	16.332	17.876					3884	34	4.924	10.546	3936	11	0.013	18.754
3632*	38	14.254	6.462	3704	13	21.320	17.974					3885	23	5.975	10.150	3937	16	3.076	18.515
3633	9	22.066	6.234	3705	17	1.826	18.400					3886*	34	19.454	10.370	3938	37	4.324	18.378
3634	43	0.676	7.040	3706	27	6.812	18.242					3887	12	21.040	10.045	3939	25	4.500	18.653
3635	21	4.812	7.937	3707	21	7.394	18.061					3888	12	21.549	10.650	3940	13	8.787	18.606
3636*	38	9.861	7.120	3708	26	9.886	18.524					3889	32	2.750	11.840	3941*	59	11.294	18.499
3637	28	12.996	7.100	3709	10	13.400	18.136					3890	14	4.065	11.638	3942	14	15.432	18.892
3638	17	3.644	8.146	3710*	48	14.204	18.106					3891	27	5.900	11.736	3943	24	19.154	18.157
3639	23	4.380	8.438	3711	8	16.529	18.807					3892	21	11.910	11.546	3944	17	19.950	18.026
3640*	55	5.602	8.387	3712*	33	18.626	18.984					3893	12	12.966	11.650	3945	33	22.557	18.248
3641	21	7.242	8.924	3713*	31	20.830	18.115					3894	32	15.500	11.733	3946	11	23.290	18.420
3642	14	9.116	8.306	3714	15	5.022	19.930					3895	12	18.880	11.624	3947	24	3.060	19.355
3643	21	11.084	8.258	3715*	34	8.800	19.586					3896	26	20.520	11.121	3948	14	4.206	19.732
3644	25	11.987	8.848	3716	12	21.596	19.092					3897	10	2.460	12.574	3949	20	5.790	19.596
3645	26	16.802	8.454	3717	10	25.357	19.286					3898	11	4.992	12.728	3950	11	8.014	19.790
3646	12	19.348	8.910	3718	13	1.972	20.461					3899	38	5.696	12.854	3951	21	12.554	19.990
3647	10	0.153	9.458	3719	11	4.014	20.498					3900	25	6.254	12.528	3952	18	18.807	19.014
3648	8	0.514	9.716	3720	30	5.120	20.418					3901	26	8.148	12.509	3953	14	20.489	19.598
3649	16	0.642	9.844	3721	12	6.984	20.686					3902	15	9.021	12.004	3954	28	22.438	19.670
3650	31	7.634	9.741	3722	9	11.808	20.482					3903	30	9.596	12.656	3955	31	1.854	20.844
3651	14	9.140	9.835	3723	8	13.531	20.439					3904	11	13.989	12.322	3956	14	3.280	20.349
3652*	32	9.936	9.804	3724	28	17.794	20.858					3905	13	18.060	12.130	3957	19	5.401	20.366
3653*	35	15.162	9.589	3725	14	20.254	20.808					3906	13	20.594	12.816	3958	32	5.970	20.417
3654	27	18.192	9.999	3726	14	21.028	20.881					3907	23	21.644	12.170	3959	31	8.328	20.540
3655	26	1.637	10.568	3727	22	24.139	20.764					3908	27	25.692	12.422	3960	29	9.424	20.230
3656	21	2.412	10.626	3728	29	1.736	21.374					3909	19	6.688	13.893	3961	31	10.176	20.870
3657	18	4.112	10.960	3729	25	3.180	21.686					3910*	56	9.669	13.300	3962	13	10.642	20.110
3658	32	6.044	10.273	3730	28	4.055	21.999					3911	14	9.816	13.796	3963	14	14.964	20.672
3659	16	10.456	10.208	3731*	38	4.133	21.555					3912	44	12.063	13.637	3964*	35	16.208	20.698
3660	10	13.136	10.140	3732	28	5.862	21.596					3913	32	14.359	13.383	3965	16	17.572	20.024
3661	9	13.734	10.592	3733	18	7.512	21.264					3914*	65	16.650	13.066	3966	16	18.760	20.144
3662	12	16.000	10.080	3734	18	13.335	21.636					3915	12	16.700	13.230	3967	21	19.504	20.102
3663	28	22.000	10.431	3735	9	15.654	21.894					3916	15	22.590	13.026	3968	24	20.100	20.496
3664	9	2.168	11.502	3736	21	7.902	22.280					3917*	47	23.460	13.210	3969	27	23.924	20.282
3665	12	9.314	11.900	3737	14	10.262	22.612					3918	26	1.683	14.220	3970	8	2.160	21.390
3666	17	9.746	11.382	3738	14	10.640	22.692					3919	31	3.170	14.738	3971	26	5.710	21.947
3667	13	10.117	11.728	3739	8	14.348	22.827					3920	15	7.438	14.990	3972	11	7.946	21.330
3668	22	16.502	11.262	3740	29	16.030	22.625					3921	31	9.460	14.432	3973*	56	8.730	21.370
3669	11	17.329	11.262	3741	8	17.934	22.469					3922	13	10.880	14.164	3974	12	9.009	21.020
3670	26	25.116	11.768	3742	8	21.674	22.190					3923	13	12.990	14.358	3975	35	11.078	21.120
3671	11	3.148	12.075	3743	13	5.296	23.232					3924	31	17.119	14.946	3976	27	15.330	21.430
3672	18	5.210	12.508	3744*	43	6.062	23.100					3925	31	21.355	14.290	3977	29	17.491	21.254
3673	9	6.327	12.612	3745	37	25.300	23.590					3926	11	22.918	14.717	3978	30	21.585	21.970
3674	11	12.284	12.992	3746	12	25.602	23.436					3927	30	25.487	14.038	3979	28	8.382	22.815
3675	25	15.038																	

3982	27	14.586	22.120	4061	28	15.878	1.330	4133	28	4.870	12.580	4205	28	3.225	20.468	4257	10	13.738	0.842
3983	12	16.456	22.251	4062	38	17.801	1.830	4134	10	6.697	12.352	4206	10	8.399	20.071	4258	10	17.015	0.258
3984	10	20.383	22.332	4063	15	1.516	2.470	4135	23	11.333	12.337	4207	15	9.260	20.014	4259*	39	2.553	1.008
3985	15	22.060	22.878	4064*	44	1.549	2.720	4136	38	12.055	12.812	4208	30	9.336	20.055	4260	30	8.040	1.270
3986*	47	3.033	23.657	4065*	45	6.489	2.792	4137	41	12.866	12.058	4209	15	11.850	20.629	4261	17	9.922	1.970
3987	24	3.344	23.503	4066	42	10.528	2.796	4138	10	13.651	12.274	4210	21	12.501	20.468	4262	9	17.316	1.380
3988	12	5.762	23.154	4067*	41	13.284	2.970	4139	13	14.230	12.945	4211	13	12.822	20.817	4263	12	12.498	2.318
3989	12	6.806	23.750	4068	29	7.991	3.768	4140	26	19.975	12.865	4212	35	18.296	20.970	4264*	34	14.976	2.056
3990	14	9.290	23.220	4069	13	9.684	3.616	4141	22	25.640	12.900	4213	55	25.355	20.194	4265	14	16.031	2.150
3991	40	10.450	23.710	4070*	47	10.490	3.868	4142	18	1.774	13.234	4214	27	7.952	21.992	4266	11	17.657	2.686
3992	18	10.692	23.046	4071	9	15.065	3.616	4143*	47	2.644	13.404	4215	10	12.724	21.684	4267	17	25.336	2.132
3993	10	18.744	23.760	4072*	77	15.271	3.804	4144	11	3.285	13.482	4216	28	13.044	21.879	4268*	31	0.976	3.324
3994	10	19.740	23.386	4073	39	15.432	3.994	4145	22	10.647	13.248	4217	30	0.914	22.192	4269*	37	11.344	3.283
3995	39	20.707	23.146	4074*	43	23.559	3.210	4146	24	12.840	13.272	4218	34	7.204	22.889	4270	9	11.450	3.054
3996	31	5.760	24.490	4075*	55	6.692	4.688	4147	23	19.268	13.899	4219	29	8.650	22.468	4271	31	15.743	3.280
3997*	77	8.149	24.420	4076	29	7.814	4.821	4148	27	23.010	13.690	4220*	36	9.961	22.560	4272	10	17.097	3.630
3998	14	9.206	24.588	4077	12	9.285	4.805	4149	26	24.538	13.449	4221	25	14.348	22.090	4273	8	17.099	3.187
3999	37	12.748	24.358	4078	10	14.668	4.868	4150	18	25.007	13.513	4222	22	15.765	22.822	4274	27	17.110	3.028
4000	35	18.006	24.088	4079	12	3.048	5.336	4151	34	0.556	14.518	4223	30	16.258	22.620	4275	21	22.113	3.778
4001	27	18.814	24.767	4080	16	10.838	5.432	4152	12	2.130	14.918	4224*	38	18.170	22.633	4276*	32	7.067	4.601
4002	25	18.834	24.788	4081	24	12.030	5.953	4153	33	4.686	14.199	4225	29	21.180	22.660	4277	11	7.980	4.084
4003	10	21.172	24.354	4082	25	12.402	5.852	4154	17	9.331	14.622	4226	35	0.052	23.381	4278	12	9.121	4.214
4004	45	24.030	24.327	4083*	41	14.890	5.934	4155	12	11.088	14.709	4227	13	1.403	23.092	4279	14	9.134	4.132
4005	31	0.485	25.050	4084	10	17.483	5.506	4156	11	11.376	14.038	4228	16	11.021	23.830	4280*	63	17.874	4.975
4006*	57	2.656	25.265	4085	22	18.614	5.779	4157*	36	13.037	14.996	4229	32	17.524	23.110	4281	12	18.778	4.093
4007	17	3.884	25.650	4086	29	18.705	5.860	4158	26	15.019	14.921	4230	32	20.358	23.107	4282	9	0.876	5.761
4008	10	4.094	25.850	4087	14	19.402	5.102	4159	33	16.528	14.384	4231	35	22.648	23.021	4283	22	2.370	5.756
4009	42	4.233	25.790	4088	32	19.452	5.115	4160	15	17.665	14.662	4232*	35	24.265	23.974	4284	19	2.378	5.760
4010	18	7.146	25.081	4089	15	20.864	5.888	4161	20	5.636	15.000	4233*	39	3.393	24.510	4285	15	2.800	5.886
4011	10	8.320	25.366	4090	10	23.287	5.648	4162	25	7.861	15.602	4234	10	9.135	24.393	4286	12	3.360	5.932
4012	11	12.660	25.920	4091	14	23.426	5.649	4163	11	12.932	15.634	4235	33	10.378	24.831	4287	9	3.426	5.929
4013	14	15.261	25.706	4092	37	24.926	5.661	4164*	36	13.055	15.020	4236	16	10.444	24.550	4288	23	4.000	5.470
4014	24	15.473	25.874	4093	26	25.350	5.794	4165	23	14.874	15.492	4237	23	10.598	24.821	4289	10	5.467	5.812
4015	14	15.955	25.930	4094	12	25.906	5.850	4166	15	16.795	15.287	4238	35	12.416	24.141	4290	12	5.726	5.093
4016	82	16.352	25.354	4095	31	0.609	6.510	4167	10	25.400	15.926	4239	10	14.285	24.300	4291	12	10.370	5.295
4017	15	16.420	25.710	4096	34	9.265	6.922	4168	31	1.952	16.104	4240	32	20.352	24.748	4292	32	11.398	5.152
4018	73	21.307	25.388	4097	13	10.033	6.060	4169	28	4.978	16.694	4241	59	0.681	25.611	4293	23	12.932	5.303
4019	34	21.782	25.572	4098	28	10.525	6.301	4170	25	4.979	16.928	4242	30	1.170	25.790	4294	9	14.787	5.273
				4099	18	15.629	6.325	4171	26	7.970	16.181	4243	14	15.128	25.570	4295	30	16.127	5.762
				4100*	43	17.976	6.265	4172	27	12.478	16.182	4244	29	15.948	25.689	4296	15	19.540	5.456
				4101	20	1.586	7.854	4173	37	14.720	16.331	4245	13	16.329	25.470	4297	11	21.570	5.572
				4102*	53	1.680	7.718	4174	33	15.065	16.400	4246	10	22.068	25.300	4298	10	23.062	5.864
				4103*	38	1.788	7.199	4175	16	17.084	16.020					4299	13	25.184	5.990
				4104	15	6.943	7.818	4176*	43	17.734	16.860					4300	9	6.074	6.492
				4105	27	13.812	7.360	4177	25	18.266	16.080					4301*	32	7.205	6.204
				4106	19	15.282	7.414	4178	31	19.244	16.682					4302	22	7.225	6.214
				4107	26	24.590	7.923	4179	28	20.956	16.049					4303	20	8.847	6.900
				4108	23	25.192	7.976	4180	13	0.418	17.292					4304*	40	9.711	6.800
				4109	26	0.475	8.936	4181	23	2.900	17.105					4305	12	22.090	6.221
				4110	38	19.191	8.490	4182	20	9.290	17.968					4306	13	23.698	6.688
				4111*	38	20.252	8.914	4183	22	10.678	17.670					4307	38	25.149	6.894
				4112	11	22.634	8.240	4184	11	16.700	17.591					4308	30	6.977	7.058
				4113*	40	22.944	8.826	4185*	53	19.145	17.464					4309	16	7.625	7.860
				4114	33	6.115	9.016	4186	16	22.661	17.579					4310	11	11.028	7.031
				4115	34	9.062	9.202	4187	34	22.888	17.428					4311	23	13.890	7.154
				4116	12	10.905	9.339	4188	16	25.936	17.623					4312	10	22.425	7.841
				4117	33	17.298	9.190	4189	34	1.824	18.454					4313	24	22.890	7.067
				4118	12	23.700	9.940	4190	10	2.561	18.613					4314	9	0.114	8.364
				4119	31	24.676	9.584	4191	29	10.358	18.728					4315	32	0.428	8.946
				4120	12	0.180	10.277	4192	10	14.488	18.840					4316	18	2.066	8.023
				4121	13	9.026	10.601	4193	34	22.310	18.728					4317	17	2.669	8.069
				4122	32	13.117	10.960	4194	27	23.290	18.760					4318	27	5.457	8.211
				4123	24	15.584	10.384	4195*	35	23.492	18.608					4319	29	5.622	8.728
				4124	11	18.322	10.299	4196	27	1.728	19.879					4320	9	9.122	8.328
				4125	28	19.253	10.724	4197	16	8.410	19.308					4321	22	15.136	8.790
				4126	27	25.390	10.534	4198	30	9.034	19.379					4322	30	17.314	8.596
				4127	11	3.292	11.016	4199	20	9.043	19.429					4323	10	20.678	8.528
				4128	20	7.452	11.940	4200	17	11.598	19.581					4324	10	20.908	8.412
				4129	22	12.116	11.937	4201	24	12.402	19.460					4325	32	23.186	8.666
				4130	28	21.784	11.350	4202	15	14.731	19.700					4326	21	2.172	9.684
				4131	31	25.824	11.885	4203	18	14.900									

4329	14	7.408	9.957	4401	15	19.289	17.466	R.A. 2^h 36^m Plate 2395; 1927 Jan. 3. <i>Provisional Constants.</i> A B C +.00081 +.00255 -5671 D E F -.00214 +.00030 -2311 Mag. = 15.9 - 0.96√d	4556	13	12.500	9.314	4628	14	9.766	19.071
4330*	34	10.934	9.004	4402	14	22.387	17.584		4557	19	16.704	9.402	4629	15	14.624	19.264
4331	11	12.888	9.942	4403	8	23.570	17.800		4558	9	2.970	10.709	4630	9	17.448	19.319
4332	8	14.672	9.588	4404	26	24.886	17.911		4559	11	7.361	10.350	4631	14	2.077	20.966
4333	13	15.516	9.976	4405	22	0.896	18.873		4560	13	15.322	10.456	4632	10	12.470	20.845
4334	9	17.052	9.352	4406*	27	1.095	18.720		4561	15	17.644	10.647	4633	15	24.744	20.588
4335	20	17.701	9.882	4407	32	4.312	18.738		4562	12	18.126	10.481	4634	23	3.698	21.987
4336	19	2.896	10.624	4408	9	10.491	18.712		4563	23	24.896	10.910	4635	10	6.159	21.106
4337	16	5.530	10.396	4409*	59	10.972	18.700		4564	22	3.395	11.544	4636	13	10.964	21.878
4338	12	8.981	10.040	4410	9	13.364	18.777		4565*	24	3.997	11.286	4637	15	20.563	21.754
4339	23	9.867	10.358	4411	10	14.025	18.077	R.A. 2^h 44^m Plate 1873; 1921 Nov. 26. <i>Provisional Constants.</i> A B C -.01739 +.00809 -4991 D E F -.00796 -.01762 -3858 Mag. = 16.6 - 0.96√d	4566	22	13.204	11.945	4638	10	3.162	22.704
4340	12	10.774	10.470	4412	13	14.274	18.664		4567	15	14.412	11.055	4639	23	9.040	22.892
4341	11	13.154	10.418	4413	24	14.334	18.770		4568	19	14.640	11.490	4640	17	16.545	22.261
4342	12	15.166	10.601	4414	12	16.390	18.282		4569	11	15.929	11.223	4641	20	17.272	22.408
4343	30	16.874	10.246	4415*	32	18.702	18.206		4570	13	0.540	12.060	4642	11	23.161	22.672
4344	15	17.755	10.542	4416	13	18.812	18.129		4571	12	3.462	12.162	4643	12	4.406	23.482
4345	8	24.766	10.376	4417	14	23.260	18.887		4572	11	8.574	12.060	4644	24	17.500	23.610
4346	35	25.772	10.950	4418	10	3.856	19.596		4573	13	8.856	12.640	4645	19	18.712	23.146
4347	23	3.346	11.968	4419	27	7.352	19.230		4574	12	8.867	12.256	4646	60	0.136	24.331
4348	15	11.406	11.807	4420*	39	7.925	19.791		4575	21	12.314	12.376	4647	10	6.790	24.784
4349	9	12.943	11.408	4421	21	9.939	19.213	R.A. 2^h 44^m Plate 1873; 1921 Nov. 26. <i>Provisional Constants.</i> A B C -.01739 +.00809 -4991 D E F -.00796 -.01762 -3858 Mag. = 16.6 - 0.96√d	4576	11	13.194	12.895	4648	16	7.265	24.488
4350	26	15.044	11.786	4422	35	10.700	19.709		4577	20	13.544	12.126	4649	17	10.168	24.968
4351	14	15.106	11.550	4423	14	11.969	19.488		4578	10	14.417	12.382	4650	19	15.108	24.460
4352	15	22.372	11.684	4424	11	11.982	19.109		4579	14	19.330	12.978	4651	15	21.672	24.290
4353	13	22.934	11.904	4425	23	13.581	19.168		4580	22	1.384	13.386	4652	16	10.670	25.400
4354	26	25.180	11.198	4426	9	14.514	19.982		4581	12	13.464	13.261	4653	13	14.273	25.260
4355	12	25.238	11.807	4427	10	15.746	19.654		4582	12	15.612	13.145				
4356	14	3.174	12.987	4428*	46	18.163	19.296		4583*	40	16.444	13.132				
4357*	65	6.909	12.392	4429	8	19.277	19.070		4584*	22	17.342	13.536				
4358	13	11.324	12.509	4430	12	20.342	19.154		4585	17	18.084	13.459				
4359	20	11.646	12.559	4431	14	20.414	19.108	R.A. 2^h 44^m Plate 1873; 1921 Nov. 26. <i>Provisional Constants.</i> A B C -.01739 +.00809 -4991 D E F -.00796 -.01762 -3858 Mag. = 16.6 - 0.96√d	4586*	40	21.256	13.880				
4360	10	14.495	12.806	4432	20	25.471	19.429		4587	11	1.928	14.682				
4361	10	17.588	12.310	4433*	46	2.973	20.283		4588*	27	2.261	14.620				
4362	32	23.190	12.994	4434	14	17.328	20.230		4589*	37	3.692	14.708				
4363	16	0.553	13.808	4435	20	19.613	20.434		4590	10	6.303	14.968				
4364	18	2.080	13.549	4436	8	19.900	20.812		4591	9	6.514	14.695				
4365	15	2.549	13.608	4437	16	23.806	20.440		4592	12	10.898	14.285				
4366	12	6.700	13.450	4438	29	5.020	21.770		4593	20	16.175	14.180				
4367	13	14.106	13.636	4439	12	6.800	21.645		4594	20	20.704	14.340				
4368	15	18.566	13.303	4440	23	7.908	21.785		4595	10	1.508	15.754				
4369	24	20.408	13.105	4441	10	11.467	21.856	R.A. 2^h 44^m Plate 1873; 1921 Nov. 26. <i>Provisional Constants.</i> A B C -.01739 +.00809 -4991 D E F -.00796 -.01762 -3858 Mag. = 16.6 - 0.96√d	4596	13	2.864	15.952				
4370	14	20.830	13.408	4442*	47	12.176	21.570		4597	20	7.975	15.548				
4371*	82	5.224	14.056	4443	25	13.166	21.102		4598*	22	10.762	15.390				
4372	10	5.318	14.050	4444	11	15.024	21.600		4599	11	11.584	15.227				
4373	16	14.305	14.832	4445	10	15.894	21.378		4600*	24	13.010	15.785				
4374	27	14.672	14.448	4446	19	18.778	21.346		4601	22	19.839	15.433				
4375	27	20.647	14.936	4447	27	25.386	21.455		4602	14	22.030	15.882				
4376	24	21.400	14.218	4448	9	4.116	22.051		4603	23	25.425	15.636				
4377	13	23.713	14.270	4449	12	4.703	22.129		4604*	25	5.434	16.610				
4378*	36	24.043	14.208	4450	14	6.145	22.156		4605	14	11.924	16.110				
4379	44	25.447	14.307	4451*	33	7.413	22.868	R.A. 2^h 44^m Plate 1873; 1921 Nov. 26. <i>Provisional Constants.</i> A B C -.01739 +.00809 -4991 D E F -.00796 -.01762 -3858 Mag. = 16.6 - 0.96√d	4606	12	13.041	16.664				
4380	16	4.276	15.088	4452	10	8.690	22.925		4607	12	13.420	16.345				
4381	14	5.654	15.037	4453	20	10.240	22.249		4608	9	14.928	16.874				
4382	11	23.289	15.318	4454*	33	10.346	22.894		4609	20	15.803	16.370				
4383	19	24.618	15.523	4455	27	14.494	22.240		4610	12	16.116	16.350				
4384	12	2.968	16.014	4456	8	17.179	22.616		4611	12	19.711	16.156				
4385	16	4.038	16.431	4457*	36	21.186	22.684		4612	13	21.912	16.466				
4386	8	8.906	16.272	4458	24	21.598	22.439		4613	12	24.718	16.254				
4387	10	10.447	16.662	4459	10	24.854	22.156		4614*	33	4.124	17.104				
4388*	40	11.796	16.086	4460	25	0.306	23.144		4615*	67	4.824	17.904				
4389	9	17.390	16.118	4461	9	7.034	23.463	R.A. 2^h 44^m Plate 1873; 1921 Nov. 26. <i>Provisional Constants.</i> A B C -.01739 +.00809 -4991 D E F -.00796 -.01762 -3858 Mag. = 16.6 - 0.96√d	4616*	29	13.300	17.364				
4390	10	22.680	16.215	4462*	52	21.872	23.728		4617	11	15.750	17.445				
4391	41	25.848	16.666	4463*	26	1.934	24.076		4618	17	21.963	17.310				
4392	8	0.254	17.702	4464	26	8.216	24.662		4619	12	23.098	17.036				
4393	23	0.478	17.548	4465	17	14.193	24.574		4620	20	3.156	18.380				
4394	16	3.526	17.706	4466	13	17.313	24.441		4621	10	5.168	18.730				
4395	14	6.050	17.443	4467	21	17.586	24.733		4622	12	10.394	18.445				
4396	29	6.052	17.214	4468	12	14.764	25.058		4623	24	12.503	18.700				
4397	10	10.592	17.151	4469	8	17.554	25.123		4624	12	1.507	19.387				
4398	11	10.636	17.766						4625	18	3.765	19.920				
4399	16	11.896	17.591						4626	12	6.688	19.054				
4400	10	18.077	17.812						4627	19	7.064	19.348				

4725	35	10.625	2.468	4797*	28	19.686	9.652	4869	19	16.542	16.294	4941	16	9.752	25.140	5042	15	11.998	5.794
4726	24	11.410	2.582	4798*	35	23.482	9.896	4870	14	5.676	17.339	4942	15	10.098	25.709	5043	9	22.512	5.360
4727	19	13.811	2.982	4799	14	1.653	10.475	4871	14	10.924	17.216	4943	11	12.105	25.118	5044*	74	4.348	6.918
4728*	56	15.560	2.068	4800	25	2.836	10.586	4872	23	11.946	17.688	4944	13	12.796	25.040	5045	33	8.446	6.732
4729	16	24.524	2.954	4801	17	5.409	10.410	4873	17	15.550	17.896	4945	26	13.236	25.370	5046	10	9.666	6.812
4730	20	1.618	3.065	4802	14	8.585	10.626	4874*	71	18.784	17.456	4946	50	15.020	25.946	5047*	35	15.012	6.809
4731	12	3.418	3.890	4803	16	14.280	10.952	4875*	28	22.716	17.305	4947	18	18.630	25.661	5048	17	16.018	6.366
4732	24	9.580	3.278	4804	11	16.610	10.074	4876	20	23.814	17.360	4948	20	21.096	25.088	5049	21	16.609	6.904
4733	32	14.945	3.616	4805	12	24.225	10.712	4877	19	25.268	17.087	4949	12	25.331	25.184	5050	20	17.226	6.002
4734	25	16.150	3.176	4806	29	25.295	10.646	4878	14	4.094	18.360					5051	9	17.386	6.514
4735	15	18.264	3.012	4807	25	5.752	11.133	4879	14	7.055	18.650					5052	12	2.838	7.320
4736*	45	21.416	3.136	4808	10	8.673	11.389	4880*	26	7.555	18.351					5053	8	9.110	7.556
4737	11	22.324	3.076	4809*	91	8.790	11.192	4881	13	9.476	18.902					5054	32	9.528	7.159
4738	18	25.666	3.240	4810*	34	11.517	11.790	4882*	40	12.404	18.305					5055	10	14.064	7.364
4739	22	3.801	4.955	4811	23	15.914	11.156	4883	26	13.152	18.828					5056*	45	15.145	7.215
4740	11	9.480	4.054	4812	15	19.450	11.342	4884	10	13.802	18.257					5057	9	24.088	7.686
4741	16	11.304	4.704	4813	10	19.956	11.280	4885	20	13.905	18.605					5058	19	24.926	7.216
4742	17	12.282	4.808	4814	13	20.151	11.284	4886	23	4.846	19.785					5059	46	0.404	8.470
4743	13	14.004	4.814	4815	20	20.398	11.190	4887	21	5.798	19.354					5060	28	2.908	8.153
4744	13	14.605	4.430	4816	20	24.945	11.364	4888	11	6.540	19.758					5061	10	3.700	8.111
4745	16	21.640	4.134	4817	12	2.062	12.906	4889	24	6.710	19.122					5062	23	3.822	8.624
4746	16	0.431	5.298	4818	12	2.978	12.442	4890	12	9.700	19.380					5063	30	3.895	8.561
4747	20	0.990	5.729	4819	21	11.186	12.489	4891	12	11.300	19.016					5064*	43	9.310	8.304
4748	13	2.224	5.895	4820	20	14.368	12.010	4892	20	11.971	19.585					5065	31	14.232	8.847
4749	12	2.702	5.774	4821	11	15.762	12.157	4893	17	13.435	19.210					5066	21	14.398	8.193
4750	27	6.881	5.190	4822	23	18.296	12.694	4894	12	16.252	19.368					5067*	47	16.561	8.408
4751	12	7.016	5.908	4823	16	18.392	12.138	4895	21	17.908	19.751					5068	11	17.000	8.303
4752	14	8.368	5.195	4824	10	19.581	12.121	4896	20	20.640	19.010					5069	10	17.277	8.296
4753*	33	9.560	5.190	4825	14	19.615	12.737	4897	21	21.038	19.188					5070	29	17.705	8.322
4754	14	9.753	5.280	4826	11	23.538	12.870	4898	12	21.400	19.512					5071	8	19.391	8.232
4755	17	10.592	5.338	4827*	40	7.530	13.294	4899*	40	21.503	19.180					5072	14	20.184	8.003
4756	20	13.528	5.164	4828	18	12.116	13.301	4900	19	24.942	19.851					5073*	51	13.420	9.428
4757	10	15.859	5.661	4829	17	16.600	13.976	4901	16	25.270	19.759					5074	19	15.256	9.221
4758	15	23.055	5.274	4830	10	17.238	13.124	4902	20	2.870	20.092					5075	29	22.390	9.170
4759	36	0.720	6.038	4831	14	18.358	13.470	4903	28	7.615	20.070					5076*	31	2.438	10.486
4760	34	1.164	6.722	4832	16	18.902	13.316	4904	15	13.128	20.476					5077*	84	5.150	10.258
4761	12	2.294	6.956	4833	15	19.078	13.636	4905	13	14.297	20.482					5078*	32	5.562	10.128
4762	23	4.750	6.053	4834*	38	19.910	13.160	4906	24	15.330	20.465					5079	9	5.842	10.620
4763	22	5.665	6.820	4835	12	2.440	14.790	4907	12	19.400	20.572					5080	19	9.010	10.718
4764	18	8.960	6.085	4836*	31	5.615	14.265	4908	17	22.877	20.080					5081	8	13.026	10.501
4765	14	9.310	6.555	4837	13	8.284	14.491	4909	14	6.144	21.810					5082	8	14.743	10.124
4766	10	15.341	6.952	4838	13	9.380	14.800	4910	33	15.514	21.473					5083	24	15.826	10.944
4767	24	15.916	6.965	4839	13	10.190	14.394	4911	31	17.049	21.580					5084	9	25.207	10.775
4768	17	20.321	6.576	4840	20	13.662	14.968	4912	13	23.641	21.826					5085	10	3.194	11.296
4769	10	22.871	6.485	4841	12	18.467	14.533	4913	15	24.030	21.424					5086	23	3.917	11.942
4770	13	23.898	6.734	4842	15	22.262	14.806	4914	19	24.108	21.444					5087	32	4.259	11.222
4771	11	24.344	6.310	4843	25	24.234	14.972	4915	37	25.831	21.311					5088	10	9.288	11.835
4772	66	25.424	6.342	4844	20	0.120	15.522	4916	19	1.358	22.168					5089	16	11.954	11.431
4773*	73	2.812	7.528	4845	19	2.764	15.838	4917	18	2.299	22.619					5090	23	12.713	11.960
4774	15	3.354	7.434	4846*	28	3.442	15.218	4918	26	8.487	22.299					5091	22	14.034	11.899
4775	12	7.940	7.926	4847*	32	6.720	15.261	4919*	36	18.520	22.819					5092	9	18.557	11.357
4776	22	9.866	7.920	4848*	34	6.816	15.262	4920	11	21.401	22.855					5093	26	20.157	11.480
4777	11	15.598	7.946	4849	12	7.106	15.597	4921	14	23.500	22.424					5094	28	21.154	11.555
4778*	41	16.799	7.336	4850	10	8.717	15.709	4922*	50	23.621	22.508					5095	29	25.598	11.996
4779*	38	18.615	7.350	4851	23	11.282	15.056	4923	22	19.074	23.964					5096	30	8.076	12.024
4780*	21	20.790	7.580	4852	16	11.566	15.334	4924*	44	24.085	23.044					5097	14	13.030	12.533
4781*	42	20.931	7.488	4853	12	11.648	15.879	4925*	48	5.888	24.315					5098	10	13.988	12.132
4782*	40	21.462	7.863	4854	11	11.920	15.615	4926	14	9.562	24.384					5099*	47	15.936	12.070
4783	26	23.966	7.566	4855	18	13.364	15.181	4927	12	10.375	24.163					5100	14	20.095	12.652
4784	13	24.755	7.532	4856	16	16.590	15.848	4928	15	11.054	24.190					5101	10	20.592	12.558
4785	25	24.948	7.982	4857	19	18.499	15.792	4929	14	11.844	24.370					5102	21	21.696	12.580
4786	21	3.872	8.368	4858	15	18.906	15.006	4930	10	12.654	24.652					5103	8	2.521	13.460
4787	10	4.126	8.076	4859	13	21.855	15.001	4931	16	13.075	24.646					5104*	37	7.242	13.274
4788*	28	6.754	8.392	4860	21	23.740	15.548	4932	30	13.684	24.423					5105	9	7.818	13.070
4789	21	8.144	8.894	4861	12	25.720	15.497	4933	17	14.883	24.975					5106	20	10.325	13.396
4790	20	11.116	8.028	4862	20	0.015	16.096	4934	22	15.070	24.431					5107	18	12.608	13.698
4791	26	12.400	8.416	4863	21	0.076	16.926	4935	40	18.484	24.146					5108	11	14.150	13.832
4792	22	24.874	8.045	4864	16	1.188	16.635	4936	17	20.448	24.076					5109	24	14.202	13.512
4793	10	8.252	9.916	4865	13	1.600	16.456	4937	12	22.064	24.652					5110	9	15.413	13.677
4794	15	10.504	9.971	4866	15	4.847	16.735	4938	24	0.280	25.496					5111	10	4.222	14.620
4795	16	14.210	9.640	4867	13	5.150	16.476												

5114	14	7.248	14.696	5186	18	8.144	21.026	5255*	54	9.694	0.280	5327	19	21.090	8.376	5399	16	13.940	17.598
5115	16	10.117	14.608	5187*	39	9.193	21.608	5256	35	12.980	0.324	5328	38	6.318	9.558	5400	17	16.118	17.954
5116	18	14.260	14.512	5188*	41	14.694	21.952	5257*	54	13.019	0.912	5329	19	8.194	9.911	5401	22	19.736	17.728
5117	9	14.414	14.013	5189	18	16.147	21.260	5258	12	13.557	0.444	5330*	58	8.434	9.898	5402*	38	21.620	17.978
5118*	36	14.624	14.023	5190*	58	21.926	21.988	5259	46	24.256	0.688	5331*	40	12.220	9.812	5403	38	24.627	17.986
5119	12	15.698	14.158	5191	31	24.090	21.573	5260	23	7.920	1.297	5332	27	19.974	9.588	5404	20	25.658	17.505
5120	10	16.026	14.300	5192*	37	24.724	21.894	5261	23	12.922	1.464	5333	19	2.503	10.394	5405	11	5.378	18.526
5121	18	17.442	14.279	5193	10	2.697	22.414	5262	21	16.964	1.664	5334	33	6.774	10.012	5406	37	5.624	18.811
5122	29	17.922	14.547	5194	17	3.082	22.008	5263	34	18.365	1.318	5335	17	14.174	10.318	5407	20	5.792	18.100
5123	18	18.133	14.385	5195	16	3.160	22.028	5264	15	22.900	1.832	5336	19	14.590	10.413	5408	17	7.186	18.549
5124	19	19.274	14.428	5196*	47	6.844	22.448	5265*	62	23.521	1.503	5337	15	20.266	10.245	5409	22	7.773	18.706
5125	18	20.385	14.833	5197	42	10.499	22.205	5266	29	0.394	2.716	5338*	40	21.058	10.348	5410	12	9.458	18.616
5126	12	23.219	14.474	5198	20	12.009	22.288	5267	16	1.195	2.686	5339	38	25.461	10.043	5411*	44	11.592	18.616
5127	14	25.495	14.780	5199	9	13.222	22.831	5268*	70	5.828	2.305	5340	38	25.742	10.582	5412	24	17.984	18.472
5128	10	0.856	15.603	5200	10	14.266	22.050	5269	34	10.946	2.147	5341	37	2.920	11.606	5413	15	5.323	19.992
5129	10	1.263	15.406	5201	16	15.248	22.044	5270	44	15.382	2.912	5342*	39	7.514	11.510	5414	21	7.345	19.626
5130	29	3.231	15.556	5202	31	15.267	22.042	5271*	47	16.350	2.846	5343	21	15.175	11.470	5415	24	8.962	19.169
5131*	38	5.683	15.104	5203	14	15.722	22.412	5272	19	18.344	2.799	5344	35	17.650	11.194	5416	18	22.662	19.642
5132	20	14.457	15.359	5204	17	16.652	22.224	5273	38	2.900	3.312	5345	19	18.296	11.882	5417	17	2.706	20.038
5133	8	17.606	15.218	5205	8	20.144	22.805	5274	38	4.228	3.134	5346*	40	19.335	11.874	5418	23	15.710	20.602
5134	31	19.986	15.988	5206	29	22.126	22.519	5275*	44	6.092	3.396	5347	22	19.788	11.164	5419*	38	17.932	20.775
5135	25	20.627	15.242	5207	10	23.116	22.358	5276	19	6.305	3.478	5348	17	4.240	12.384	5420	13	18.464	20.666
5136	8	24.206	15.788	5208	10	25.608	22.216	5277*	80	7.770	3.373	5349	16	11.691	12.909	5421	38	21.767	20.076
5137	21	2.742	16.134	5209	10	2.558	23.014	5278*	54	10.580	3.834	5350	25	13.332	12.700	5422*	40	23.006	20.256
5138	11	4.726	16.070	5210*	47	2.672	23.095	5279	26	14.544	3.428	5351	23	16.784	12.570	5423	38	1.614	21.217
5139	9	12.166	16.910	5211*	42	3.142	23.626	5280	14	14.666	3.348	5352	15	1.598	13.196	5424*	47	2.256	21.526
5140	25	15.286	16.995	5212*	38	5.415	23.031	5281	38	14.792	3.254	5353	19	5.408	13.295	5425	21	3.148	21.826
5141	14	17.775	16.732	5213	15	12.380	23.820	5282*	44	16.140	3.385	5354	28	8.350	13.654	5426	27	4.453	21.005
5142	42	25.361	16.784	5214*	41	12.580	23.258	5283	19	17.280	3.254	5355	21	8.450	13.324	5427	14	10.509	21.600
5143*	32	1.728	17.902	5215	13	18.992	23.876	5284	70	24.796	3.035	5356	13	10.350	13.214	5428	22	11.715	21.959
5144	19	2.831	17.947	5216	12	21.592	23.216	5285	16	3.410	4.204	5357	16	10.794	13.564	5429	22	15.140	21.186
5145	21	4.283	17.662	5217	19	24.162	23.419	5286	16	3.422	4.685	5358	16	11.412	13.426	5430	18	15.292	21.355
5146*	46	7.044	17.030	5218	9	3.809	24.250	5287*	40	6.384	4.422	5359	15	18.226	13.974	5431	21	17.766	21.607
5147	9	10.662	17.606	5219	10	4.754	24.346	5288	24	10.751	4.872	5360	16	19.544	13.764	5432	32	18.252	21.674
5148	20	10.922	17.838	5220	28	12.298	24.868	5289	37	13.944	4.309	5361	21	0.594	14.136	5433	18	20.100	21.628
5149	9	11.494	17.236	5221	11	12.628	24.708	5290*	44	21.651	4.550	5362	24	2.876	14.395	5434	18	20.252	21.704
5150*	48	14.145	17.369	5222*	45	13.166	24.666	5291	20	4.527	5.986	5363*	59	6.594	14.749	5435	38	21.925	21.402
5151*	36	18.892	17.938	5223*	39	13.741	24.949	5292	17	7.375	5.470	5364	23	8.544	14.016	5436	15	0.660	22.022
5152	10	20.352	17.354	5224*	40	14.012	24.949	5293	23	9.996	5.010	5365	38	12.776	14.356	5437	16	6.746	22.151
5153	14	20.930	17.342	5225*	80	17.534	24.672	5294	14	13.708	5.966	5366	22	18.096	14.244	5438	32	13.136	22.339
5154	16	22.922	17.417	5226	25	25.150	24.938	5295	36	14.319	5.124	5367	22	21.664	14.110	5439	16	13.369	22.402
5155	11	23.801	17.398	5227	12	0.176	25.695	5296	36	17.612	5.352	5368	35	23.175	14.138	5440*	39	15.388	22.402
5156	11	6.713	18.579	5228	8	4.414	25.761	5297	24	18.726	5.116	5369	18	1.610	15.426	5441	35	20.298	22.976
5157	16	7.512	18.494	5229	13	12.848	25.304	5298*	42	19.940	5.604	5370	21	6.014	15.166	5442	37	20.730	22.941
5158	32	9.326	18.064	5230	19	18.768	25.280	5299	23	21.700	5.300	5371	21	10.046	15.096	5443*	55	20.872	22.458
5159	12	9.619	18.216	5231	55	20.838	25.635	5300	32	2.152	6.840	5372	13	13.425	15.795	5444	35	1.726	23.064
5160	8	11.295	18.692	5232	20	25.320	25.448	5301	24	3.872	6.438	5373	19	15.322	15.498	5445	31	3.994	23.405
5161	10	13.935	18.234					5302*	42	4.698	6.578	5374	15	16.197	15.194	5446*	42	8.086	23.406
5162	19	15.456	18.368					5303	18	10.574	6.624	5375	37	17.236	15.436	5447	23	11.804	23.647
5163	25	25.390	18.137					5304	25	12.185	6.122	5376	16	17.482	15.218	5448	41	25.456	23.900
5164	18	0.068	19.794					5305	24	15.458	6.485	5377	28	21.036	15.832	5449	42	2.744	24.564
5165	47	0.526	19.786					5306	12	19.023	6.410	5378*	44	2.780	16.403	5450	17	4.096	24.783
5166*	48	5.718	19.344					5307	24	21.176	6.042	5379	22	3.736	16.758	5451*	177	6.780	24.366
5167	32	7.150	19.594					5308	23	22.094	6.460	5380*	40	5.816	16.078	5452	28	8.080	24.681
5168	17	12.648	19.422					5309	37	22.654	6.914	5381	24	6.404	16.236	5453	48	8.688	24.754
5169	14	14.683	19.479					5310	20	24.068	6.856	5382	10	9.016	16.255	5454	20	11.996	24.038
5170	8	16.602	19.889					5311	38	24.460	6.174	5383	13	11.674	16.726	5455	33	13.742	24.250
5171	13	1.916	20.672					5312	23	25.086	6.744	5384	37	11.975	16.854	5456	17	16.205	24.778
5172	19	3.978	20.430					5313	37	25.960	6.500	5385	12	14.386	16.390	5457	39	18.248	24.478
5173	17	4.305	20.336					5314	18	0.856	7.464	5386	23	14.492	16.176	5458	38	18.422	24.219
5174*	37	7.390	20.888					5315	22	1.322	7.329	5387	18	18.520	16.912	5459	37	20.000	24.102
5175*	30	9.434	20.102					5316	16	14.165	7.892	5388	12	20.125	16.300	5460	20	0.180	25.298
5176*	46	11.645	20.156					5317*	55	14.720	7.071	5389	17	20.616	16.085	5461	38	2.928	25.070
5177	34	12.390	20.592					5318	17	17.120	7.341	5390	23	21.114	16.015	5462	14	4.870	25.582
5178	25	12.504	20.494					5319	25	17.300	7.137	5391	24	0.359	17.085	5463	14	13.145	25.976
5179	30	15.537	20.616					5320	17	18.298	7.949	5392	15	1.242	17.046	5464	20		

R.A. 3 ^h 8 ^m				R.A. 3 ^h 16 ^m			
Plate 1888; 1921 Dec. 25.				Plate 1874; 1921 Nov. 26.			
Provisional Constants.				Provisional Constants.			
A	B	C		A	B	C	
-01738	+00693	-0495		-01739	+01257	-0106	
D	E	F		D	E	F	
-00711	-01768	-2762		-01233	-01738	-3104	
Mag. = 16.6 - 0.96√d				Mag. = 16.0 - 0.96√d			
No.	d	x	y	No.	d	x	y
5501	35	3.107	0.946	5556*	38	9.380	6.504
5502	16	7.561	0.414	5557	24	14.894	6.440
5503	11	20.464	0.453	5558*	47	17.205	6.910
5504	19	24.753	0.608	5559	17	23.334	6.520
5505*	46	2.378	1.770	5560	31	1.574	7.190
5506*	61	6.812	1.550	5561	21	2.988	7.115
5507	10	11.049	1.550	5562	32	5.164	7.545
5508	34	11.638	1.558	5563*	36	6.126	7.182
5509	32	17.583	1.468	5564	30	18.720	7.766
5510	16	21.300	1.690	5565*	43	21.198	7.140
5511	12	23.200	1.402	5566*	39	21.396	7.440
5512	14	24.396	1.726	5567*	54	24.550	7.314
5513	11	1.766	2.100	5568	12	0.030	8.670
5514*	50	7.314	2.175	5569	10	4.451	8.810
5515	20	7.580	2.386	5570	10	6.152	8.859
5516	16	7.745	2.881	5571	15	6.986	8.057
5517	12	9.938	2.734	5572	30	7.872	8.100
5518	23	10.544	2.214	5573	15	9.346	8.786
5519	29	10.711	2.412	5574	23	10.129	8.860
5520	40	17.586	2.771	5575	22	12.535	8.386
5521	22	18.356	2.511	5576	10	19.021	8.134
5522	24	18.552	2.368	5577	13	21.780	8.703
5523*	48	19.138	2.012	5578	37	22.330	8.014
5524	12	19.933	2.104	5579	13	24.878	8.204
5525	25	21.280	2.136	5580	27	5.399	9.109
5526	12	23.276	2.794	5581	47	0.014	10.644
5527	31	23.892	2.450	5582	34	4.414	10.286
5528	30	24.469	2.790	5583	38	4.701	10.820
5529*	50	3.665	3.290	5584	30	20.261	10.597
5530	13	7.222	3.011	5585*	47	20.693	10.636
5531	39	8.860	3.712	5586	10	3.411	11.372
5532*	43	9.210	3.750	5587	30	11.544	11.511
5533	16	11.216	3.227	5588	11	13.025	11.110
5534	40	11.833	3.180	5589	31	20.591	11.110
5535	14	16.368	3.149	5590	21	22.610	11.467
5536	12	18.940	3.336	5591	14	23.439	11.374
5537	16	20.143	3.176	5592	19	24.041	11.738
5538	40	0.542	4.839	5593	35	6.107	12.722
5539	15	13.710	4.974	5594	28	8.078	12.140
5540*	47	15.630	4.600	5595	27	10.880	12.307
5541	13	20.520	4.978	5596	31	12.342	12.349
5542	19	24.770	4.808	5597	13	12.850	12.832
5543	21	0.604	5.586	5598	16	13.799	12.347
5544	27	7.950	5.804	5599	12	17.213	12.257
5545*	42	8.506	5.167	5600	12	17.388	12.945
5546	12	8.524	5.152	5601	17	24.936	12.042
5547	28	15.940	5.652	5602*	32	6.915	13.824
5548	72	24.671	5.772	5603*	35	6.916	13.840
5549	27	0.086	6.334	5604	24	8.128	13.951
5550	20	1.009	6.741	5605	26	10.270	13.412
5551	34	3.370	6.428	5606	24	12.472	13.390
5552	14	4.004	6.993	5607	17	12.869	13.506
5553	33	4.874	6.736	5608	22	14.016	13.820
5554	14	5.866	6.622	5609	11	14.039	13.850
5555	11	6.654	6.316	5610	35	16.534	13.489
				5611	12	21.007	13.488
				5612	22	0.666	14.394
				5613	33	2.176	14.407
				5614	20	5.364	14.674
				5615	34	6.560	14.666
				5616	10	13.450	14.571
				5617	11	22.270	14.256
				5618	35	23.690	14.020
				5619	10	2.340	15.262
				5620	10	7.052	15.478
				5621	12	11.142	15.890
				5622	10	12.420	15.824
				5623	27	19.039	15.084
				5624	13	19.584	15.429
				5625	10	20.609	15.599
				5626	35	0.057	16.125
				5627	26	0.138	16.306
				5628	33	8.716	16.890
				5629	13	9.226	16.498
				5630	19	11.556	16.020
				5631*	45	13.058	16.902
				5632	30	18.506	16.625
				5633	27	19.023	16.972
				5634	11	23.432	16.290
				5635	19	4.700	17.743
				5636	14	7.940	17.721
				5637	12	9.242	17.850
				5638	26	10.868	17.364
				5639*	43	15.789	17.126
				5640	17	16.332	17.202
				5641	13	19.426	17.818
				5642	42	25.710	17.014
				5643	49	25.738	17.009
				5644	42	0.667	18.264
				5645*	42	3.671	18.235
				5646	20	5.396	18.560
				5647	24	5.911	18.380
				5648	14	8.816	18.018
				5649	12	9.240	18.173
				5650	24	9.366	18.510
				5651	42	10.966	18.083
				5652	10	13.166	18.678
				5653	30	15.581	18.830
				5654	18	18.268	18.673
				5655*	42	19.702	18.124
				5656	10	1.727	19.912
				5657	10	6.084	19.282
				5658	23	7.058	19.584
				5659	20	8.415	19.844
				5660	12	16.201	19.826
				5661	10	18.300	19.165
				5662	21	25.411	19.223
				5663	36	0.836	20.360
				5664*	42	2.080	20.526
				5665	25	9.320	20.880
				5666	13	9.800	20.250
				5667	10	10.116	20.609
				5668	20	11.383	20.114
				5669	10	14.498	20.170
				5670*	44	15.238	20.822
				5671	10	15.896	20.804
				5672	18	16.570	20.039
				5673	24	18.283	20.864
				5674	17	19.050	20.366
				5675*	36	21.521	20.096
				5676	12	24.300	20.772
				5677	36	1.010	21.684
				5678	31	6.362	21.518
				5679	33	6.778	21.110
				5680	13	13.635	21.801
				5681	15	13.879	21.088
				5682	11	14.721	21.267
				5683	33	21.288	21.878
				5684	11	1.800	22.036
				5685	26	9.200	22.369
				5686	13	16.060	22.024
				5687	16	20.885	22.692
				5688	12	22.370	22.190
				5689	15	7.105	23.638
				5690	10	7.229	23.168
				5691	10	12.149	23.492
				5692	10	12.198	23.918
				5693*	36	14.959	23.640
				5694	17	16.942	23.705
				5695	39	17.125	23.171
				5696	32	19.522	23.499
				5697	10	21.600	23.629
				5698	23	24.872	23.908
				5699*	37	4.570	24.140
				5700	31	13.511	24.236
				5701	30	17.236	24.588
				5702	19	19.946	24.696
				5703	20	20.966	24.500
				5704	45	5.567	25.347
				5705	18	5.805	25.348
				5706	83	8.020	25.648
				5707*	30	9.922	25.088
				5708	10	19.385	25.005
				5709	10	19.399	25.432
				5710	35	24.071	25.741
				5711	34	25.824	25.151
				5712	21	2.342	0.712
				5713	32	13.974	0.814
				5714	13	16.182	0.255
				5715	49	16.196	0.023
				5716	11	16.860	0.694
				5717	21	18.066	0.050
				5718	60	23.001	0.668
				5719	14	2.010	1.836
				5720	10	7.439	1.122
				5721	14	7.900	1.694
				5722	96	9.659	1.994
				5723	11	14.364	1.295
				5724	12	18.760	1.697
				5725	42	20.466	1.406
				5726	19	21.134	1.590
				5727	22	23.774	1.213
				5728	29	1.514	2.567
				5729	28	2.098	2.899
				5730	15	3.812	2.550
				5731	14	7.178	2.984
				5732	26	9.226	2.306
				5733	27	9.786	2.038</

5859	12	0.118	14.404	5931	18	14.186	21.110	6014	18	25.257	1.940	6086	17	1.930	11.851	6158	32	10.361	19.398
5860	30	1.530	14.140	5932	21	14.508	21.615	6015	20	25.259	1.020	6087	34	2.188	11.357	6159	23	15.578	19.734
5861	14	4.376	14.414	5933	27	15.744	21.979	6016	20	0.050	2.106	6088	28	7.278	11.412	6160	24	21.762	19.014
5862*	31	5.459	14.190	5934	17	16.620	21.088	6017	23	7.443	2.196	6089	16	11.016	11.306	6161	21	3.710	20.680
5863	17	6.462	14.500	5935	10	17.472	21.158	6018	13	7.998	2.816	6090	33	14.190	11.320	6162	25	7.500	20.310
5864	28	7.862	14.160	5936*	38	19.912	21.830	6019	11	10.128	2.932	6091	13	15.422	11.478	6163	28	10.646	20.466
5865	14	9.590	14.514	5937*	43	21.196	21.461	6020	10	14.948	2.470	6092	24	22.925	11.428	6164	30	19.000	20.969
5866	29	11.119	14.284	5938	36	25.644	21.950	6021	33	21.102	2.946	6093	34	23.666	11.514	6165*	37	21.742	20.340
5867	14	12.770	14.336	5939	10	0.378	22.334	6022	27	25.496	2.384	6094	12	23.714	11.986	6166	13	22.980	20.172
5868	16	14.686	14.632	5940*	68	4.112	22.917	6023	11	11.458	3.846	6095	29	24.990	11.028	6167	45	0.086	21.974
5869	13	14.863	14.600	5941	24	5.986	22.985	6024	15	15.005	3.014	6096	14	2.571	12.753	6168	23	4.089	21.042
5870	16	16.768	14.394	5942	11	6.357	22.750	6025	35	16.443	3.774	6097	11	10.050	12.860	6169	13	4.290	21.475
5871	10	18.516	14.171	5943	14	7.818	22.278	6026	26	17.014	3.520	6098	12	10.302	12.002	6170	12	6.490	21.384
5872	10	20.489	14.909	5944	31	10.954	22.248	6027	22	17.286	3.426	6099*	34	19.215	12.310	6171	12	9.844	21.637
5873	18	20.521	14.892	5945	12	15.713	22.374	6028	13	19.380	3.113	6100	24	20.912	12.030	6172	21	14.920	21.898
5874	17	24.819	14.607	5946	10	15.957	22.131	6029	15	23.736	3.890	6101	32	22.754	12.778	6173	31	19.039	21.000
5875	11	1.820	15.625	5947	18	17.036	22.966	6030	29	24.212	3.560	6102*	37	24.090	12.468	6174	14	4.234	22.973
5876	10	3.934	15.448	5948	14	19.236	22.626	6031	37	24.448	3.896	6103	16	3.628	13.582	6175	40	4.535	22.469
5877	31	4.398	15.490	5949*	39	20.740	22.001	6032	26	1.201	4.013	6104	25	6.502	13.374	6176	19	8.230	22.050
5878	12	5.982	15.874	5950	30	6.084	23.906	6033*	44	4.894	4.870	6105	10	9.742	13.340	6177	19	11.285	22.440
5879	16	6.605	15.651	5951	21	13.814	23.835	6034	18	6.084	4.604	6106	10	13.880	13.610	6178	33	12.022	22.820
5880	26	7.205	15.290	5952	29	17.366	23.020	6035	34	9.331	4.052	6107	19	16.695	13.815	6179	30	16.180	22.606
5881	25	10.411	15.758	5953	14	20.310	23.739	6036	23	11.916	4.674	6108	19	16.902	13.464	6180*	80	16.217	22.414
5882	14	11.602	15.083	5954	11	23.991	23.207	6037	12	13.446	4.880	6109	16	18.500	13.696	6181	21	17.348	22.124
5883	15	15.926	15.525	5955	22	2.910	24.001	6038	31	16.079	4.831	6110	12	24.423	13.196	6182	14	2.883	23.724
5884*	40	18.676	15.992	5956	25	4.594	24.067	6039	17	17.650	4.540	6111	11	2.631	14.063	6183	16	6.756	23.992
5885	10	20.938	15.622	5957	16	12.594	24.240	6040	34	3.742	5.128	6112	34	7.682	14.386	6184	13	9.608	23.764
5886*	32	21.086	15.016	5958	28	13.154	24.624	6041	17	3.808	5.150	6113	26	9.290	14.241	6185	18	11.121	23.358
5887	11	1.322	16.414	5959*	85	15.256	24.018	6042*	53	6.229	5.856	6114	21	9.740	14.344	6186	13	12.900	23.842
5888	39	4.799	16.301	5960*	37	16.548	24.521	6043	20	17.178	5.906	6115	31	10.692	14.779	6187	14	13.542	23.680
5889	23	5.600	16.960	5961	38	2.142	25.850	6044	34	18.450	5.587	6116	14	13.242	14.916	6188	23	6.261	24.080
5890	22	8.612	16.619	5962	40	3.880	25.228	6045	29	20.169	5.851	6117	32	17.284	14.186	6189	17	17.337	24.822
5891*	42	9.814	16.522	5963	12	5.600	25.640	6046	24	20.789	5.230	6118	12	23.615	14.208	6190	25	17.688	24.945
5892	23	10.152	16.017	5964	25	8.150	25.323	6047	10	4.329	6.332	6119	23	3.720	15.124	6191	12	21.170	24.070
5893	24	12.782	16.176	5965	10	14.788	25.670	6048*	45	6.730	6.976	6120	11	4.164	15.450	6192	15	23.161	24.239
5894	14	13.342	16.024					6049	13	7.417	6.990	6121	17	5.498	15.110	6193*	48	24.361	24.197
5895	10	14.192	16.638					6050	16	8.340	6.638	6122	29	5.706	15.124	6194	34	8.994	25.420
5896	15	16.850	16.381					6051*	39	9.005	6.014	6123*	39	6.953	15.690	6195	32	9.060	25.400
5897	22	18.918	16.898					6052	33	16.430	6.877	6124	29	7.518	15.880	6196	47	17.130	25.589
5898	15	19.578	16.206					6053	31	20.911	6.989	6125	24	9.332	15.128	6197	48	18.000	25.571
5899	22	20.600	16.640					6054	19	5.620	7.300	6126	21	9.409	15.594	6198	35	18.914	25.280
5900	12	23.385	16.034					6055	13	7.462	7.296	6127	10	12.836	15.266	6199	52	25.758	25.840
5901*	36	3.606	17.096					6056	20	8.544	7.060	6128	13	14.100	15.228				
5902	40	3.634	17.086					6057	22	12.138	7.684	6129	32	17.788	15.010				
5903	10	5.580	17.865					6058	12	12.666	7.860	6130	13	22.286	15.500				
5904	11	10.866	17.828					6059	26	12.916	7.483	6131	28	5.036	16.793				
5905	10	10.970	17.286					6060	10	15.418	7.190	6132	27	5.502	16.216				
5906	20	12.470	17.944					6061	28	17.814	7.340	6133	24	5.602	16.928				
5907*	32	14.233	17.482					6062	22	0.130	8.634	6134	15	16.077	16.086				
5908	28	17.560	17.410					6063	33	0.270	8.170	6135*	30	16.650	16.975				
5909	28	18.844	17.996					6064	18	10.687	8.352	6136	14	19.357	16.842				
5910	10	20.060	17.950					6065	27	13.329	8.360	6137	20	19.390	16.421				
5911	20	22.900	17.750					6066	24	14.342	8.181	6138	20	20.910	16.363				
5912	23	18.866	18.306					6067	10	15.106	8.060	6139*	39	21.028	16.634				
5913	22	19.484	18.602					6068	14	17.328	8.044	6140	36	21.280	16.060				
5914	21	20.915	18.432					6069	34	18.229	8.450	6141	18	22.410	16.877				
5915	21	23.812	18.074					6070*	39	19.259	8.784	6142	23	9.030	17.422				
5916	23	3.356	19.308					6071	16	19.560	8.872	6143	23	9.804	17.117				
5917	11	3.854	19.170					6072	10	6.805	9.048	6144*	29	12.570	17.588				
5918	26	4.432	19.150					6073	12	8.678	9.196	6145	18	12.930	17.055				
5919	27	19.424	19.343					6074	36	9.340	9.100	6146	22	14.366	17.021				
5920	15	20.670	19.335					6075	29	15.226	9.716	6147	10	1.497	18.783				
5921	15	3.688	20.974					6076	22	19.382	9.928	6148	23	1.796	18.265				
5922	14	6.920	20.965					6077	18	21.024	9.507	6149	24	2.710	18.590				
5923	13	7.406	20.718					6078	10	9.908	10.214	6150	35	5.064	18.050				
5924	12	13.030	20.630					6079	12	10.270	10.960	6151	27	6.489	18.040				
5925*	48	13.296	20.212					6080	33	11.251	10.210	6152	15	8.890	18.248				
5926	15	13.990	20.438					6081	12	15.260	10.145	6153	18	18.353	18.259				
5927	14	16.080	20.498					6082	19	16.155	10.784	6154*	43	20.534	18.940				
5928	17	24.816	20.162					6083*	67	16.822	10.966	6155	29	24.016	18.884				
5929	17	25.193	20.525					6084	15										

6207	13	8.690	1.062	6279	13	21.033	9.310	6351	36	22.082	15.655	6506	18	0.228	7.567
6208	26	11.720	1.050	6280	20	22.142	9.524	6352	42	23.465	15.831	6507	12	2.020	7.414
6209	32	19.770	1.320	6281	32	22.270	9.560	6353*	49	23.719	15.202	6508	15	2.140	7.040
6210	19	3.128	2.157	6282	22	2.840	10.812	6354	9	0.408	16.724	6509	28	4.336	7.630
6211	8	3.950	2.557	6283	9	5.320	10.511	6355	25	7.813	16.601	6510	13	10.072	7.708
6212*	42	9.992	2.998	6284	20	5.800	10.210	6356	11	11.215	16.236	6511*	49	10.450	7.880
6213	9	10.430	2.952	6285	20	6.080	10.336	6357	32	20.341	16.238	6512*	53	24.294	7.398
6214*	49	14.460	2.062	6286*	52	13.756	10.266	6358	25	8.807	17.366	6513	25	2.560	8.450
6215	30	18.236	2.777	6287	14	14.601	10.753	6359	31	10.502	17.500	6514	12	3.654	8.600
6216	17	19.638	2.840	6288	19	15.322	10.530	6360	14	13.347	17.992	6515	21	5.410	8.114
6217	10	19.738	2.016	6289	9	20.182	10.118	6361	24	15.591	17.318	6516	10	6.146	8.874
6218	9	24.944	2.733	6290*	50	23.372	10.537	6362	31	18.122	17.332	6517	27	7.312	8.308
6219	12	1.410	3.706	6291	11	24.216	10.906	6363*	42	18.344	17.292	6518	29	8.506	8.102
6220	23	1.874	3.364	6292	26	24.784	10.555	6364	39	24.574	17.838	6519	31	15.462	8.201
6221	32	2.115	3.694	6293	12	0.783	11.264	6365	8	24.687	17.467	6520*	50	16.348	8.530
6222	8	2.950	3.102	6294	26	1.526	11.331	6366	25	2.064	18.692	6521	26	19.190	8.058
6223*	44	5.253	3.864	6295	10	1.586	11.800	6367*	37	8.526	18.766	6522	13	20.639	8.284
6224	16	14.487	3.454	6296	9	7.357	11.677	6368	29	9.068	18.249	6523	36	24.662	8.378
6225	27	18.197	3.020	6297	10	16.304	11.678	6369*	46	9.075	18.230	6524	34	25.257	8.604
6226	12	18.512	3.141	6298	29	17.966	11.998	6370	9	12.298	18.680	6525	14	0.168	9.615
6227*	41	24.004	3.810	6299	14	21.603	11.618	6371	9	20.774	18.324	6526	23	1.279	9.820
6228	10	24.268	3.542	6300	14	23.426	11.105	6372	8	3.775	19.642	6527	32	1.402	9.854
6229	13	25.388	3.326	6301	9	25.355	11.631	6373	21	13.346	19.837	6528	30	5.653	9.417
6230	9	8.910	4.972	6302	23	0.646	12.618	6374	12	14.129	19.553	6529	16	5.765	9.415
6231	30	11.210	4.080	6303*	35	1.971	12.274	6375	25	17.550	19.580	6530*	42	7.458	9.844
6232	11	11.333	4.868	6304	9	2.328	12.994	6376	10	2.890	20.389	6531	26	14.990	9.567
6233	30	14.152	4.481	6305	9	4.012	12.020	6377	9	9.479	20.858	6532	10	15.296	9.590
6234	21	14.480	4.512	6306	32	4.984	12.248	6378*	49	13.172	20.702	6533	10	15.874	9.531
6235*	37	20.760	4.082	6307	19	6.276	12.029	6379	8	21.741	20.004	6534	27	17.400	9.652
6236	8	1.667	5.238	6308	12	8.074	12.933	6380	11	22.064	20.762	6535	15	19.356	9.020
6237	10	3.668	5.979	6309	31	8.390	12.352	6381	8	23.564	20.490	6536*	41	24.284	9.211
6238	14	6.660	5.222	6310	13	10.982	12.604	6382	21	11.490	21.060	6537*	46	2.510	10.820
6239*	36	6.665	5.104	6311	13	12.864	12.401	6383	8	12.437	21.288	6538	31	3.928	10.829
6240	8	6.858	5.966	6312	13	13.150	12.943	6384*	40	12.975	21.615	6539	10	14.881	10.884
6241	26	13.413	5.244	6313	8	13.428	12.976	6385	8	20.383	21.529	6540	21	17.936	10.796
6242	10	14.734	5.812	6314	11	13.484	12.678	6386*	37	22.096	21.064	6541	27	18.695	10.228
6243*	47	16.604	5.652	6315*	35	15.836	12.598	6387	12	25.250	21.905	6542	25	18.845	10.285
6244	10	16.811	5.601	6316	34	19.340	12.197	6388	9	8.354	22.765	6543	14	0.759	11.920
6245	10	19.760	5.836	6317	8	1.607	13.328	6389	15	10.619	22.016	6544	17	2.573	11.390
6246	8	22.063	5.877	6318	8	4.278	13.894	6390*	51	11.722	22.480	6545	15	3.364	11.182
6247	11	24.614	5.248	6319	9	5.694	13.604	6391	10	14.614	22.196	6546	12	4.507	11.900
6248	37	25.844	5.984	6320*	32	5.887	13.252	6392	9	17.040	22.728	6547*	42	13.234	11.174
6249	8	4.277	6.401	6321	10	13.777	13.124	6393	10	18.432	22.453	6548	14	13.690	11.099
6250	29	7.526	6.980	6322	19	16.536	13.842	6394	26	19.052	22.398	6549	12	13.794	11.910
6251*	42	7.684	6.372	6323	24	17.584	13.016	6395*	40	19.612	22.780	6550	28	17.084	11.441
6252	16	17.966	6.342	6324	14	17.594	13.055	6396*	42	21.260	22.272	6551	28	19.220	11.222
6253	33	21.000	6.175	6325	28	18.520	13.469	6397	9	25.117	22.758	6552	27	6.071	12.710
6254*	63	22.420	6.422	6326	40	25.180	13.174	6398*	55	2.541	23.997	6553	25	7.857	12.463
6255	11	23.028	6.753	6327	40	25.192	13.604	6399	20	5.230	23.598	6554	16	11.422	12.463
6256	9	3.012	7.642	6328	28	25.968	13.628	6400	17	9.647	23.370	6555	22	13.093	12.876
6257	9	3.782	7.482	6329	9	1.544	14.024	6401	36	19.592	23.878	6556	18	14.756	12.614
6258	11	4.079	7.607	6330	8	2.710	14.905	6402	13	22.099	23.578	6557	12	15.384	12.120
6259	12	5.494	7.666	6331*	49	6.824	14.790	6403	8	23.344	23.120	6558	31	17.276	12.438
6260	17	7.710	7.858	6332	16	11.483	14.479	6404	11	1.350	24.066	6559	28	22.584	12.440
6261	10	9.273	7.530	6333	9	18.270	14.428	6405	23	8.724	24.554	6560	10	23.172	12.836
6262*	46	17.641	7.616	6334	9	18.841	14.701	6406	20	10.496	24.979	6561*	36	4.342	13.443
6263	14	21.109	7.262	6335	10	20.162	14.372	6407	8	16.728	24.053	6562*	40	4.358	13.872
6264	9	22.904	7.126	6336	10	20.615	14.133	6408*	46	20.046	24.418	6563	30	5.136	13.890
6265	19	25.219	7.362	6337	14	21.343	14.472	6409	32	23.569	24.018	6564	19	7.226	13.535
6266	14	10.314	8.947	6338	8	21.446	14.239	6410	59	3.977	25.602	6565	17	11.240	13.664
6267	19	10.588	8.435	6339	10	21.474	14.814	6411*	36	5.112	25.046	6566	26	14.766	13.296
6268	33	12.107	8.167	6340	14	22.586	14.082	6412	13	9.334	25.584	6567	24	15.362	13.544
6269*	54	20.350	8.246	6341	12	0.250	15.352	6413	18	9.614	25.434	6568	32	20.242	13.102
6270	23	20.422	8.334	6342	12	2.773	15.672	6414	10	16.942	25.560	6569	28	22.376	13.826
6271	19	23.435	8.165	6343*	60	5.178	15.926	6415	18	25.848	25.033	6570	10	22.678	13.480
6272	9	24.527	8.325	6344	31	14.427	15.596					6571	13	0.520	14.774
6273	8	7.173	9.086	6345	25	14.716	15.262					6572	16	1.764	14.374
6274	17	9.113	9.024	6346	24	17.403	15.834					6573	12	5.279	14.369
6275	10	12.530	9.134	6347	30	18.105	15.809					6574	13	6.424	14.291
6276	9	12.726	9.728	6348	12	19.392	15.852					6575	29	7.032	14.792
6277	13	17.570	9.982	6349	43	20.328	15.870					6576	14	8.110	14.774
6278	9	18.976	9.748	6350	13	20.604	15.127					6577	10	11.760	14.740

R.A. 3^h 40^m

Plate 1877 ; 1921 Nov. 27

Provisional Constants.

$$A \quad B \quad C$$

$$-0.1744 + 0.0424 + 5889$$

$$D \quad E \quad F$$

$$-0.0446 - 0.1741 - 1269$$

$$Mag. = 16.4 - 0.96\sqrt{d}$$

No.	d	w	u
6451	29	7.566	0.592
6452	13	13.606	0.869
6453	21	14.585	0.923
6454	16	21.060	0.343
6455	26	24.174	0.604
6456	10	24.500	0.105
6457	16	11.874	1.352
6458	32	12.192	1.234
6459	18	12.478	1.859
6460	25	16.853	1.352
6461	30	23.746	1.886
6462	22	25.294	1.086
6463	24	11.110	2.591
6464	18	11.410	2.086
6465	28	19.820	2.916
6466	28	21.044	2.476
6467	14	3.355	3.819
6468	15	4.028	3.004
6469	27	4.476	3.594
6470	18	5.130	3.440

6578	10	14.172	14.579	6650	15	13.050	22.739	6720*	66	14.006	2.800	6792	34	18.354	10.484	6864	36	3.738	16.592
6579	14	14.476	14.035	6651	21	14.996	22.785	6721*	68	18.694	2.164	6793	14	18.694	10.220	6865	38	12.624	16.385
6580	10	15.620	14.610	6652	30	16.886	22.808	6722	35	21.262	2.246	6794	16	18.911	10.922	6866	23	13.558	16.545
6581	10	24.346	14.998	6653	27	17.881	22.580	6723	17	21.444	2.521	6795	17	19.862	10.800	6867	22	14.864	16.995
6582	10	0.654	15.115	6654	14	22.200	22.680	6724*	65	21.868	2.127	6796	30	22.484	10.855	6868	21	15.806	16.956
6583	35	1.266	15.950	6655	12	25.220	22.059	6725*	57	22.228	2.586	6797	39	25.074	10.906	6869	42	18.956	16.994
6584*	46	2.896	15.482	6656	15	1.356	23.873	6726	24	4.244	3.325	6798	39	6.716	11.725	6870	20	21.206	16.136
6585	44	5.194	15.380	6657	13	4.368	23.026	6727*	68	6.503	3.692	6799*	54	8.216	11.298	6871	13	21.630	16.689
6586	10	6.120	15.236	6658	10	6.646	23.723	6728	44	12.006	3.330	6800	18	10.362	11.185	6872	32	21.914	16.354
6587	18	8.894	15.182	6659	15	6.688	23.182	6729	15	12.990	3.484	6801	16	12.290	11.400	6873*	54	22.890	16.364
6588*	49	9.290	15.311	6660	11	8.980	23.448	6730	38	15.518	3.404	6802	23	14.124	11.050	6874	14	24.250	16.410
6589	14	9.365	15.046	6661	28	11.442	23.336	6731	55	15.786	3.404	6803	23	14.610	11.114	6875	12	2.112	17.075
6590	18	12.833	15.934	6662	36	14.620	23.778	6732	18	17.005	3.634	6804	33	15.590	11.127	6876*	54	4.686	17.134
6591	20	14.900	15.251	6663	13	21.936	23.798	6733	21	20.372	3.014	6805	38	17.603	11.548	6877*	42	6.796	17.626
6592*	44	15.736	15.596	6664	45	22.684	23.382	6734	21	21.028	3.592	6806	38	18.114	11.793	6878	15	7.594	17.906
6593	18	22.824	15.162	6665*	50	24.690	23.681	6735	18	24.080	3.958	6807*	57	22.184	11.232	6879	26	8.376	17.116
6594	20	23.180	15.200	6666	35	2.826	24.300	6736	26	25.110	3.304	6808	37	25.520	11.704	6880	37	10.482	17.606
6595	38	2.650	16.116	6667*	72	7.230	24.010	6737	34	25.729	3.726	6809	32	0.466	12.354	6881	32	14.156	17.764
6596	28	5.960	16.340	6668	14	12.000	24.558	6738	17	6.947	4.100	6810	16	1.061	12.738	6882*	84	17.478	17.434
6597	31	6.294	16.201	6669*	38	19.859	24.094	6739	17	13.476	4.164	6811	25	10.426	12.675	6883*	76	1.441	18.447
6598	20	8.101	16.198	6670	35	22.786	24.734	6740	35	14.968	4.540	6812	15	10.656	12.514	6884	15	10.156	18.763
6599*	38	8.208	16.330	6671	37	23.084	24.154	6741	18	17.152	4.288	6813*	57	12.033	12.326	6885	24	16.134	18.707
6600	26	8.558	16.751	6672*	82	24.631	24.410	6742	38	19.290	4.633	6814	14	12.779	12.722	6886	38	18.080	18.613
6601	17	13.250	16.534	6673	14	25.354	24.130	6743	35	25.386	4.475	6815	25	13.546	12.568	6887	20	18.656	18.845
6602	31	16.260	16.299	6674	27	5.120	25.299	6744	17	10.005	5.326	6816	16	15.259	12.414	6888	38	22.865	18.794
6603	32	17.232	16.305	6675	17	9.856	25.444	6745	12	15.435	5.906	6817	26	15.288	12.950	6889	59	25.344	18.014
6604	15	19.770	16.768	6676	12	15.152	25.071	6746	43	17.582	5.535	6818	18	23.472	12.464	6890	39	0.544	19.756
6605	22	21.093	16.400	6677	11	19.592	25.735	6747	26	17.644	5.730	6819	18	23.764	12.528	6891	14	0.964	19.860
6606	21	22.303	16.030	6678	14	20.712	25.824	6748	24	23.194	5.284	6820	17	25.014	12.402	6892	26	2.290	19.618
6607	28	25.803	16.716					6749*	59	2.058	6.586	6821	29	0.276	13.742	6893	26	3.113	19.436
6608	26	5.652	17.053					6750	18	6.045	6.408	6822	21	4.212	13.940	6894	15	5.473	19.546
6609	27	6.677	17.862					6751	32	6.916	6.534	6823	26	5.074	13.076	6895	35	6.205	19.944
6610*	35	6.921	17.634					6752	14	6.994	6.362	6824*	55	7.256	13.744	6896	34	6.525	19.596
6611	30	8.724	17.324					6753	37	8.047	6.000	6825	37	16.612	13.904	6897	19	14.944	19.376
6612	22	12.304	17.240					6754	22	9.326	6.638	6826	27	18.296	13.534	6898	30	15.345	19.768
6613*	51	18.420	17.229					6755	18	9.756	6.220	6827	15	18.306	13.178	6899	28	16.734	19.780
6614	10	19.014	17.880					6756*	58	12.060	6.674	6828	22	18.540	13.466	6900	15	19.586	19.180
6615	33	24.764	17.066					6757	28	14.716	6.136	6829	14	19.486	13.400	6901	18	19.814	19.184
6616*	38	3.775	18.112					6758	32	15.834	6.060	6830	24	20.874	13.406	6902	14	21.864	19.606
6617	10	6.690	18.826					6759*	57	2.110	7.292	6831	36	21.418	13.862	6903	40	22.724	19.334
6618	12	7.631	18.911					6760	23	9.876	7.446	6832	39	22.514	13.695	6904	28	7.874	20.826
6619	30	7.984	18.607					6761	12	10.230	7.666	6833	18	24.830	13.567	6905	19	8.158	20.966
6620	12	8.618	18.760					6762	36	13.222	7.604	6834	38	25.735	13.236	6906	14	8.997	20.614
6621	13	18.677	18.246					6763*	100	14.310	7.394	6835	18	2.259	14.888	6907	18	12.191	20.418
6622	32	20.279	18.590					6764	37	15.736	7.189	6836	30	4.840	14.412	6908	39	18.900	20.300
6623*	62	23.496	18.543					6765	18	17.842	7.551	6837	39	5.295	14.504	6909	38	21.812	20.994
6624*	60	7.385	19.312					6766	39	19.794	7.185	6838	15	6.516	14.644	6910*	76	23.547	20.866
6625	32	7.620	19.021					6767	37	23.418	7.876	6839	20	7.790	14.700	6911	16	24.390	20.914
6626	32	12.007	19.834					6768	44	2.496	8.266	6840*	57	9.236	14.875	6912	32	3.220	21.942
6627	18	12.936	19.164					6769	40	3.095	8.484	6841	24	13.066	14.596	6913	19	3.998	21.723
6628	18	13.530	19.416					6770	23	6.090	8.878	6842*	54	14.652	14.708	6914	18	8.488	21.174
6629	13	15.500	19.175					6771	27	7.644	8.235	6843	23	15.260	14.086	6915	46	9.480	21.862
6630	16	17.330	19.798					6772	17	13.427	8.031	6844	40	20.326	14.996	6916*	44	17.561	21.076
6631	36	17.400	19.748					6773	40	15.296	8.906	6845	15	20.863	14.284	6917	38	24.855	21.574
6632	12	18.134	19.936					6774*	66	17.890	8.586	6846	23	0.229	15.945	6918	20	0.208	22.604
6633*	153	20.309	19.044					6775*	52	18.016	8.364	6847	22	0.740	15.074	6919	16	5.040	22.234
6634*	38	22.575	19.844					6776	14	19.926	8.347	6848	26	1.098	15.105	6920	32	17.086	22.874
6635	10	22.989	19.948					6777	39	20.400	8.734	6849	28	4.114	15.381	6921	28	17.668	22.230
6636	22	24.319	19.724					6778	32	20.429	8.336	6850	23	7.100	15.376	6922	22	18.950	22.330
6637	15	25.144	19.551					6779*	44	23.378	8.785	6851	14	7.980	15.040	6923	27	19.692	22.039
6638	23	10.682	20.832					6780*	40	2.124	9.105	6852	17	10.096	15.305	6924*	70	22.834	22.348
6639	17	13.570	20.200					6781	20	3.797	9.845	6853*	52	10.750	15.456	6925	26	24.356	22.716
6640*	62	14.935	20.771					6782	38	7.699	9.204	6854*	50	11.317	15.126	6926	53	0.696	23.296
6641	12	1.296	21.055					6783	16	8.835	9.178	6855*	62	11.345	15.145	6927*	57	2.702	23.571
6642	40	1.328	21.358					6784*	68	11.456	9.476	6856*	20	13.564	15.982	6928	35	5.026	23.745
6643*	30	9.350	21.311					6785	13	12.810	9.433	6857	38	14.341	15.132	6929	25	6.144	23.126
6644	15	12.556	21.661					6786	17	14.470	9.996	6858*	55	14.347	15.253	6930	31	13.068	23.314
6645	19	16.302	21.004					6787	31	14.594	9.725	6859	38</						

6936*	80	2.650	24.301	7030	33	9.325	4.733	7102*	39	8.070	13.540	7174	10	11.590	20.278	R.A. 4^h 4^m Plate 1902; 1921 Dec. 28. <i>Provisional Constants.</i> <table><tr><td>A</td><td>B</td><td>C</td></tr><tr><td>-01742</td><td>+00265</td><td>-2493</td></tr><tr><td>D</td><td>E</td><td>F</td></tr><tr><td>-00241</td><td>-01752</td><td>-4355</td></tr></table> Mag. = 16.6 - 0.96√d	A	B	C	-01742	+00265	-2493	D	E	F	-00241	-01752	-4355
A	B	C																										
-01742	+00265	-2493																										
D	E	F																										
-00241	-01752	-4355																										
6937	36	3.381	24.014	7031	38	18.765	4.318	7103	12	17.380	13.348	7175	10	13.308	20.551													
6938	20	6.214	24.668	7032	17	21.356	4.838	7104	21	18.165	13.906	7176	29	14.150	20.180													
6939	31	10.570	24.024	7033	11	23.146	4.025	7105*	36	21.355	13.460	7177	10	14.702	20.792													
6940	20	11.190	24.782	7034	12	1.601	5.377	7106	22	21.516	13.778	7178	17	20.306	20.034													
6941	38	12.264	24.670	7035	11	4.486	5.702	7107	15	25.190	13.251	7179	10	22.155	20.128													
6942	16	14.671	24.680	7036	12	7.844	5.932	7108	22	5.375	14.385	7180	30	0.449	21.106													
6943	23	16.156	24.900	7037	21	12.702	5.140	7109	11	6.594	14.290	7181	32	3.500	21.642													
6944*	57	16.271	24.616	7038*	37	16.900	5.080	7110	24	8.916	14.380	7182	24	8.872	21.220													
6945	36	18.051	24.883	7039	10	19.587	5.561	7111	21	11.310	14.057	7183	22	8.938	21.425													
6946	31	23.664	24.245	7040*	34	21.635	5.984	7112	35	13.016	14.346	7184	32	13.414	21.377													
6947	55	7.728	25.726	7041	10	24.967	5.647	7113	15	18.588	14.492	7185	34	14.867	21.288													
6948	37	10.630	25.944	7042	10	25.244	5.078	7114	35	19.186	14.380	7186	29	15.590	21.774													
6949	28	10.883	25.544	7043	25	11.538	6.885	7115	10	19.892	14.032	7187	28	17.052	21.287													
6950	27	12.668	25.150	7044	28	12.765	6.876	7116	24	24.339	14.130	7188	33	19.562	21.659													
6951	38	21.937	25.555	7045	15	14.757	6.888	7117	14	24.384	14.262	7189	14	19.910	21.380													
6952	34	22.930	25.844	7046	10	16.030	6.493	7118	17	24.923	14.160	7190	46	1.485	22.444													
6953	16	23.003	25.725	7047	12	16.750	6.389	7119	19	0.423	15.486	7191	22	3.024	22.793													
6954	28	25.767	25.280	7048	10	17.558	6.140	7120	16	3.785	15.890	7192*	36	5.120	22.015													
R.A. 3^h 56^m Plate 1882; 1921 Dec. 24. <i>Provisional Constants.</i> <table><tr><td>A</td><td>B</td><td>C</td></tr><tr><td>-01779</td><td>+00391</td><td>+4064</td></tr><tr><td>D</td><td>E</td><td>F</td></tr><tr><td>-00365</td><td>-01766</td><td>-3006</td></tr></table> Mag. = 16.0 - 0.96√d																A	B	C	-01779	+00391	+4064	D	E	F	-00365	-01766	-3006	
A	B	C																										
-01779	+00391	+4064																										
D	E	F																										
-00365	-01766	-3006																										
No.	d	e	y	No.	d	e	y	No.	d	e	y	No.	d	e	y	No.												
7001	31	14.124	0.783	7071	25	0.970	10.960	7143*	37	13.513	17.690	7215	11	16.380	24.082	7291*												
7002	27	16.136	0.756	7072	12	3.550	10.740	7144	20	13.530	17.566	7216	26	0.644	25.664	7292												
7003	16	17.860	0.115	7073	34	3.560	10.976	7145	13	19.441	17.831	7217	25	1.640	25.938	7293												
7004	14	19.602	0.227	7074	22	8.924	10.240	7146	11	24.894	17.488	7218	14	1.713	25.818	7294												
7005	34	22.282	0.340	7075	12	9.122	10.820	7147	32	1.470	18.891	7219	22	4.468	25.331	7295												
7006	34	4.532	1.421	7076	12	13.678	10.202	7148*	46	3.930	18.073	7220	30	7.598	25.988	7296*												
7007	28	8.297	1.158	7077	17	15.496	10.207	7149	10	11.738	18.193	7221*	78	8.680	25.205	7297												
7008	10	10.108	1.009	7078*	64	19.929	10.883	7150	22	12.016	18.324	7222	18	8.916	25.614	7298												
7009	10	12.867	1.315	7079	26	21.084	10.150	7151	33	12.228	18.363	7223	14	9.484	25.504	7299												
7010	13	17.136	1.646	7080	46	0.670	11.340	7152	13	13.529	18.029	7224	16	9.529	25.583	7300												
7011*	32	17.760	1.457	7081	24	0.684	11.340	7153	35	21.060	18.784	7225	12	13.005	25.856	7301												
7012	31	22.549	1.159	7082	28	4.020	11.762	7154	24	22.529	18.328	7226	34	13.752	25.434	7302												
7013	11	24.325	1.408	7083*	30	5.396	11.611	7155*	41	24.002	18.425	7227	38	17.325	25.803	7303												
7014	45	0.224	2.246	7084	14	7.503	11.427	7156	10	0.479	19.717	7228	35	18.708	25.832	7304												
7015	40	0.593	2.700	7085	13	8.995	11.704	7157	32	1.336	19.434	7229	22	18.786	25.770	7305												
7016	11	1.986	2.774	7086	10	17.478	11.164	7158	20	5.554	19.466	7230	35	19.796	25.189													
7017	31	11.652	2.877	7087	10	18.344	11.670	7159	31	9.688	19.719	7231	32	22.540	25.244													
7018	26	16.984	2.763	7088	12	0.985	12.566	7160*	35	9.794	19.736																	
7019	29	19.892	2.758	7089	20	5.204	12.011	7161	34	12.410	19.790																	
7020	30	23.716	2.660	7090	10	8.408	12.650	7162	24	13.100	19.234																	
7021	20	3.490	3.371	7091	16	9.508	12.644	7163	14	13.216	19.408																	
7022	28	4.116	3.786	7092	30	10.710	12.849	7164	32	14.276	19.156																	
7023	25	8.535	3.064	7093	19	11.490	12.349	7165	13	14.890	19.808																	
7024	30	15.916	3.860	7094	25	12.849	12.232	7166*	41	15.304	19.078																	
7025*	41	19.764	3.629	7095	10	13.826	12.830	7167	11	16.439	19.830																	
7026	29	22.021	3.496	7096	34	15.555	12.412	7168	10	17.742	19.287																	
7027	29	25.340	3.161	7097	18	19.078	12.156	7169	12	20.004	19.140																	
7028	10	2.469	4.040	7098	10	24.110	12.117	7170*	63	2.176	20.954																	
7029	20	3.781	4.536	7099	48	25.480	12.448	7171	12	3.023	20.989																	
				7100	33	1.040	13.799	7172	20	9.762	20.524																	
				7101	27	4.258	13.296	7173	12	10.870	20.300																	

7306*	58	4.110	5.093	7378	25	7.205	12.528	7450	35	6.994	18.336	7522	12	18.384	24.666	7586	30	6.074	4.113
7307	20	4.326	5.519	7379	12	10.236	12.324	7451	18	8.200	18.351	7523	24	18.954	24.095	7587	8	6.618	4.328
7308	18	5.032	5.578	7380	12	11.290	12.939	7452	29	8.650	18.153	7524	22	20.635	24.182	7588	18	8.063	4.987
7309*	44	6.335	5.290	7381	26	18.100	12.700	7453	19	9.072	18.656	7525	16	21.037	24.681	7589	8	9.320	4.666
7310	15	8.500	5.434	7382	13	18.970	12.488	7454	14	13.926	18.320	7526	33	0.340	25.220	7590	9	9.702	4.658
7311	31	9.084	5.378	7383	26	20.156	12.136	7455	24	17.128	18.975	7527	25	4.688	25.102	7591	9	19.548	4.188
7312	40	9.172	5.200	7384	21	20.834	12.652	7456	15	17.270	18.708	7528	37	5.990	25.300	7592*	30	20.008	4.251
7313	17	9.204	5.550	7385	13	23.746	12.750	7457	14	17.704	18.140	7529	19	6.118	25.305	7593	33	0.485	5.200
7314	20	10.050	5.791	7386	21	23.864	12.931	7458	24	18.784	18.045	7530	25	8.450	25.054	7594*	44	4.381	5.294
7315	13	11.985	5.578	7387	23	23.942	12.156	7459	29	19.392	18.402	7531	43	10.874	25.518	7595	13	9.043	5.068
7316	35	13.953	5.381	7388	20	2.835	13.194	7460	20	25.454	18.176	7532	17	15.172	25.629	7596	9	9.498	5.362
7317	34	15.320	5.932	7389	12	4.180	13.322	7461	22	7.788	19.085	7533	62	24.734	25.923	7597	19	10.268	5.644
7318	20	17.478	5.208	7390	10	4.788	13.856	7462	12	8.540	19.824	7534	85	24.876	25.036	7598	9	10.480	5.264
7319	17	19.716	5.366	7391	24	7.850	13.519	7463*	36	10.859	19.688					7599	39	10.624	5.212
7320	18	19.820	5.265	7392	18	11.344	13.856	7464	29	12.164	19.895					7600	11	11.000	5.707
7321	22	25.600	5.800	7393	11	13.321	13.378	7465	21	13.900	19.162					7601*	90	11.335	5.424
7322	19	1.424	6.914	7394	13	16.472	13.270	7466	13	14.962	19.120					7602	33	11.666	5.136
7323	24	6.960	6.066	7395	25	19.328	13.517	7467	22	15.706	19.452					7603	30	12.578	5.736
7324	28	9.868	6.390	7396	14	22.165	13.970	7468	20	18.128	19.838					7604	13	12.866	5.907
7325	10	18.018	6.116	7397	12	22.444	13.533	7469	31	18.416	19.287					7605	35	15.570	5.808
7326	16	19.568	6.212	7398	22	23.169	13.200	7470	20	19.396	19.677					7606	18	3.806	6.047
7327	24	20.122	6.330	7399	22	1.996	14.084	7471*	52	19.878	19.933					7607	10	4.342	6.980
7328	21	15.156	7.676	7400	18	2.042	14.215	7472	11	20.152	19.481					7608	36	9.806	6.350
7329*	44	16.916	7.008	7401	22	2.578	14.105	7473	42	24.681	19.350					7609	11	12.656	6.316
7330	14	17.274	7.530	7402	22	5.676	14.576	7474*	40	6.260	20.844					7610	14	17.004	6.451
7331	27	17.745	7.958	7403	18	8.736	14.664	7475	28	6.690	20.237					7611	18	18.714	6.508
7332	18	18.214	7.444	7404	20	11.191	14.002	7476	12	11.570	20.494					7612	13	18.878	6.670
7333	20	20.746	7.202	7405	20	13.086	14.423	7477	17	12.933	20.384					7613	10	4.551	7.936
7334	13	22.540	7.040	7406	10	13.441	14.798	7478	19	17.051	20.506					7614	13	5.004	7.655
7335	18	25.315	7.758	7407	20	15.128	14.205	7479*	28	17.718	20.550					7615	8	7.362	7.684
7336	13	6.300	8.909	7408	24	18.620	14.462	7480	20	18.372	20.564					7616	13	9.135	7.621
7337	39	7.552	8.764	7409	21	20.220	14.500	7481	23	20.734	20.282					7617	30	11.924	7.302
7338	13	7.626	8.742	7410	23	22.590	14.828	7482	20	4.175	21.427					7618	19	13.174	7.598
7339	17	8.170	8.248	7411	22	0.585	15.570	7483	15	6.565	21.090					7619*	45	14.801	7.360
7340*	46	9.103	8.320	7412	11	1.030	15.152	7484*	58	7.000	21.194					7620*	46	16.974	7.871
7341	15	9.286	8.774	7413	18	4.495	15.506	7485	16	8.375	21.511					7621	8	17.968	7.738
7342	18	9.954	8.024	7414	19	7.035	15.055	7486*	40	10.078	21.430					7622	9	20.052	7.760
7343	32	10.060	8.252	7415	19	7.242	15.496	7487	16	10.348	21.455					7623	14	3.558	8.010
7344	24	13.463	8.799	7416	14	10.730	15.331	7488	40	12.106	21.908					7624	15	4.872	8.618
7345	22	14.263	8.025	7417	11	16.784	15.148	7489	12	15.026	21.590					7625	13	6.592	8.857
7346	20	5.687	9.782	7418	12	17.200	15.310	7490	12	17.118	21.706					7626	22	8.214	8.286
7347	16	5.828	9.155	7419	16	21.748	15.268	7491	19	2.874	22.045					7627	21	18.885	8.850
7348	16	9.679	9.518	7420	25	22.420	15.300	7492	14	2.985	22.680					7628*	52	5.904	9.658
7349	12	11.559	9.791	7421	21	24.084	15.229	7493	45	6.396	22.260					7629	26	6.018	9.175
7350	11	15.722	9.226	7422	14	4.676	16.851	7494	20	12.742	22.594					7630	17	8.614	9.010
7351	19	18.445	9.114	7423	19	7.468	16.444	7495	12	12.772	22.159					7631*	47	10.767	9.579
7352	20	21.210	9.274	7424	24	9.710	16.200	7496	25	14.300	22.248					7632*	41	11.926	9.108
7353	16	21.340	9.368	7425	22	9.904	16.462	7497	14	14.545	22.807					7633	10	12.156	9.398
7354	12	23.048	9.853	7426*	52	11.230	16.702	7498	44	15.056	22.636					7634	18	15.646	9.244
7355	11	23.916	9.455	7427	28	11.870	16.880	7499	22	19.002	22.529					7635*	47	16.694	9.942
7356	18	24.118	9.876	7428	29	12.521	16.804	7500	24	23.462	22.230					7636	9	17.314	9.244
7357	25	5.012	10.011	7429	22	14.330	16.555	7501	18	24.760	22.685					7637	16	19.577	9.590
7358*	35	5.122	10.248	7430	17	15.139	16.948	7502	15	5.486	23.600					7638	34	21.060	9.574
7359	15	6.374	10.791	7431	18	16.076	16.671	7503	24	7.601	23.283					7639	10	2.400	10.150
7360*	42	7.065	10.042	7432	15	21.310	16.105	7504	12	8.855	23.468					7640	31	4.300	10.978
7361	14	7.575	10.370	7433	25	22.599	16.149	7505	24	9.992	23.070					7641	27	6.230	10.542
7362	18	12.060	10.966	7434	85	25.534	16.852	7506	33	10.598	23.015					7642	11	7.695	10.794
7363	16	16.248	10.655	7435	11	4.105	17.126	7507	22	11.232	23.800					7643	8	11.062	10.130
7364	12	15.065	11.406	7436	18	4.235	17.930	7508	24	11.872	23.674					7644*	46	12.238	10.263
7365	20	17.494	11.407	7437	15	5.878	17.479	7509	17	16.280	23.370					7645	25	15.256	10.856
7366	36	18.108	11.977	7438	15	6.950	17.246	7510	12	16.500	23.065					7646	27	17.788	10.211
7367	22	18.148	11.232	7439	14	7.747	17.865	7511	22	18.430	23.230					7647	9	18.384	10.400
7368	13	19.700	11.656	7440	15	17.300	17.142	7512	24	25.721	23.611					7648	13	18.664	10.920
7369	15	21.466	11.550	7441	14	17.788	17.198	7513	10	3.432	24.445					7649	15	21.325	10.400
7370	13	22.268	11.196	7442	26	20.525	17.016	7514	24	5.110	24.635					7650	15	23.066	10.793
7371	20	22.758	11.862	7443	31	20.884	17.715	7515	31	5.880	24.210					7651	22	10.970	11.574
7372	12	22.802	11.778	7444	34	22.099	17.900	7516*	47	6.010	24.565					7652	25	13.582	11.697
7373	17	1.742	12.073	7445	20	24.247	17.520	7517*	50	10.400	24.366					7653	19	20.620	11.622
7374	10	2.720	12.395	7446	24	0.239	18.303	7518	25	10.573	24.378					7654	10	22.396	11.876
7375	12	2.754	12.410	7447*	40	1.710	18.382	7519	28	10.962	24.220					7655*	44	22.502	11.574
7376*	46	3.108	12.386	7448	16	2.738													

7658	19	2.264	12.432	7730	13	12.800	20.920	7806	45	23.948	0.676	7878	11	23.532	7.918	7950	27	11.603	13.003
7659	29	5.809	12.088	7731	18	13.628	20.502	7807*	53	1.458	1.992	7879	11	24.074	7.442	7951	25	20.001	13.269
7660	32	11.082	12.567	7732	11	14.384	20.900	7808	19	3.476	1.843	7880	16	25.232	7.552	7952	36	21.008	13.136
7661	11	12.184	12.854	7733	25	15.274	20.864	7809	21	4.232	1.997	7881	10	6.354	8.306	7953	38	21.220	13.490
7662	35	16.599	12.884	7734	31	17.852	20.220	7810	18	7.342	1.136	7882	30	6.565	8.850	7954	30	21.235	13.400
7663*	49	18.083	12.496	7735*	58	20.734	20.191	7811	13	8.275	1.840	7883	13	6.804	8.293	7955	28	25.697	13.535
7664	12	19.002	12.050	7736	8	21.832	20.611	7812*	75	14.198	1.820	7884	19	6.885	8.214	7956	27	0.060	14.220
7665	15	19.750	12.084	7737	8	22.438	20.266	7813	11	15.900	1.384	7885	26	6.990	8.414	7957	31	0.218	14.886
7666	18	1.508	13.491	7738	18	7.184	21.806	7814	26	15.968	1.771	7886*	43	7.002	8.818	7958	10	6.750	14.946
7667	17	2.200	13.208	7739	31	8.211	21.167	7815*	60	18.562	1.240	7887*	48	11.988	8.108	7959	21	8.784	14.962
7668	9	7.016	13.145	7740*	55	13.309	21.707	7816	15	20.911	1.456	7888	17	22.075	8.727	7960	35	9.598	14.580
7669	26	8.582	13.330	7741	13	16.782	21.757	7817	12	24.566	1.585	7889	28	25.700	8.320	7961	11	11.339	14.287
7670	9	11.334	13.550	7742	20	19.588	21.600	7818	28	25.222	1.500	7890	16	2.286	9.140	7962	15	11.717	14.550
7671	23	19.072	13.924	7743	22	19.598	21.601	7819	40	1.285	2.314	7891	11	3.048	9.700	7963*	50	11.720	14.880
7672*	52	22.245	13.070	7744	11	23.958	21.638	7820	24	1.870	2.434	7892	14	5.798	9.982	7964	14	12.003	14.944
7673	20	9.249	14.633	7745	19	1.973	23.512	7821	19	11.250	2.820	7893	12	6.210	9.584	7965	28	12.480	14.904
7674	19	10.520	14.403	7746	10	3.280	22.944	7822	27	14.102	2.826	7894	10	7.564	9.809	7966	33	12.482	14.924
7675*	42	13.233	14.822	7747	8	9.308	22.377	7823	31	15.130	2.472	7895	22	8.494	9.180	7967	17	13.826	14.190
7676*	39	14.442	14.063	7748	10	11.484	22.296	7824	11	16.366	2.350	7896	20	9.985	9.596	7968	13	14.183	14.274
7677	12	18.230	14.704	7749	12	15.566	22.434	7825	11	16.690	2.932	7897	31	16.010	9.626	7969	9	14.800	14.636
7678*	98	18.988	14.980	7750	11	22.567	22.124	7826	33	17.572	2.665	7898	16	19.250	9.026	7970	28	17.968	14.226
7679	11	19.043	14.878	7751	23	4.256	23.853	7827	27	18.446	2.016	7899	22	0.198	10.484	7971	27	18.162	14.916
7680	20	21.144	14.132	7752	33	6.307	23.802	7828	16	13.296	3.616	7900	23	1.942	10.856	7972*	53	20.307	14.537
7681	26	21.294	14.800	7753*	46	7.295	23.736	7829	18	13.364	3.774	7901	11	1.972	10.662	7973	15	20.738	14.460
7682	8	0.130	15.582	7754	11	11.037	23.100	7830	14	15.300	3.960	7902	30	6.694	10.313	7974	28	21.244	14.741
7683	20	0.800	15.604	7755	30	12.516	23.674	7831	15	15.733	3.834	7903	17	6.824	10.968	7975	34	24.694	14.284
7684	17	0.960	15.128	7756	15	18.184	23.742	7832	15	24.190	3.842	7904	29	6.921	10.310	7976	13	25.222	14.758
7685	10	2.464	15.501	7757	9	22.316	23.168	7833	20	25.210	3.990	7905	29	7.536	10.408	7977	10	0.710	15.394
7686	15	14.884	15.046	7758	28	25.726	23.952	7834	23	25.800	3.622	7906	19	8.171	10.306	7978	11	3.650	15.322
7687	22	19.283	15.377	7759	9	4.764	24.804	7835	21	6.248	4.642	7907	16	9.640	10.083	7979	10	10.508	15.983
7688	19	19.394	15.914	7760	10	6.435	24.314	7836	30	7.176	4.566	7908	14	9.758	10.094	7980	25	16.184	15.750
7689	8	20.164	15.198	7761	20	12.726	24.802	7837	17	7.775	4.160	7909*	47	19.486	10.884	7981*	44	18.834	15.382
7690	9	21.779	15.312	7762	12	16.220	24.942	7838	15	8.960	4.942	7910	33	22.282	10.372	7982	15	22.040	15.378
7691	24	0.995	16.449	7763*	46	16.573	24.772	7839*	54	9.907	4.810	7911	10	25.677	10.062	7983	31	24.336	15.460
7692	39	4.416	16.231	7764*	36	18.638	24.670	7840	28	10.954	4.050	7912	11	1.288	11.948	7984	30	5.750	16.203
7693	12	6.750	16.846	7765*	74	3.423	25.292	7841*	37	11.548	4.100	7913	47	1.386	11.645	7985	11	8.289	16.492
7694	11	7.636	16.308	7766*	28	5.755	25.210	7842	24	16.750	4.160	7914	16	6.194	11.602	7986	16	11.686	16.685
7695	25	8.132	16.656	7767	8	5.899	25.606	7843*	46	18.563	4.359	7915	23	6.326	11.754	7987*	49	13.908	16.323
7696	32	9.476	16.005	7768	36	6.630	25.798	7844	17	21.339	4.380	7916	30	7.168	11.515	7988	32	14.180	16.204
7697	32	19.316	16.106	7769*	26	10.759	25.006	7845	14	21.612	4.056	7917	19	9.504	11.680	7989*	48	18.246	16.442
7698	14	2.668	17.791	7770	19	11.014	25.107	7846	25	22.130	4.493	7918	10	10.740	11.278	7990*	76	19.410	16.640
7699*	90	3.932	17.098	7771	18	12.270	25.173	7847	13	23.026	4.222	7919	33	10.930	11.363	7991	18	19.900	16.984
7700	8	7.362	17.730	7772	17	21.138	25.108	7848	22	24.380	4.500	7920	13	11.878	11.808	7992	18	20.594	16.788
7701	31	9.288	17.399					7849	18	1.505	5.673	7921	15	14.810	11.552	7993*	60	24.066	16.200
7702	31	9.470	17.276					7850	21	4.552	5.120	7922*	49	17.741	11.160	7994	19	24.996	16.196
7703	19	11.672	17.682					7851	25	5.842	5.466	7923	10	18.744	11.474	7995	13	25.530	16.369
7704	25	12.368	17.924					7852	28	12.190	5.108	7924	31	19.044	11.851	7996	13	3.274	17.516
7705	11	16.696	17.710					7853	30	13.100	5.130	7925	23	22.014	11.810	7997	30	8.212	17.290
7706	24	17.460	17.338					7854	21	13.670	5.281	7926	30	23.040	11.560	7998	15	9.307	17.988
7707	9	18.426	17.230					7855	25	13.940	5.034	7927*	41	23.686	11.628	7999	21	9.340	17.182
7708	9	24.315	17.465					7856	13	17.675	5.528	7928	20	24.586	11.356	8000	49	10.132	17.210
7709	31	0.525	18.207					7857	13	18.730	5.370	7929	14	1.578	12.006	8001	10	14.840	17.076
7710	18	3.885	18.422					7858	16	20.410	5.414	7930*	44	5.102	12.166	8002	17	20.061	17.014
7711	18	6.200	18.048					7859	27	21.104	5.334	7931	11	5.792	12.988	8003	12	20.946	17.564
7712	11	6.446	18.374					7860	20	21.777	5.454	7932	33	11.114	12.070	8004*	45	22.164	17.480
7713*	33	7.371	18.882					7861	37	23.936	5.240	7933	31	11.635	12.361	8005*	36	24.098	17.300
7714	33	10.374	18.842					7862	12	2.940	6.585	7934	18	13.150	12.350	8006	10	24.480	17.099
7715	14	10.868	18.930					7863	34	6.310	6.090	7935	11	19.435	12.560	8007	17	11.100	18.220
7716*	95	11.304	18.255					7864	30	6.347	6.820	7936	29	20.466	12.968	8008	18	14.153	18.018
7717	37	12.802	18.586					7865	29	6.607	6.094	7937	38	20.800	12.651	8009	13	17.390	18.370
7718	27	13.511	18.266					7866	19	9.457	6.666	7938	39	22.198	12.420	8010	23	10.570	19.896
7719	11	16.589	18.436					7867	27	9.490	6.648	7939	21	23.610	12.910	8011	25	12.960	19.960
7720	35	18.060	18.842					7868	46	11.746	6.103	7940*	76	24.013	12.264	8012	26	16.190	19.010
7721	12	20.192	18.420					7869	28	18.873	6.488	7941	14	0.909	13.966	8013	11	0.828	20.692
7722*	43	3.130	19.610					7870	30	20.930	6.900	7942	56	1.143	13.145	8014	15	1.431	20.338
7723	19	5.307	19.886					7871	15	2.986	7.484	7943	10	3.874	13.794	8015	14	9.920	20.456
7724	20	6.																	

8022	20	2.968	21.692	R.A. 4^h 28^m Plate 1879; 1921 Nov. 27. <i>Provisional Constants.</i> A B C --01760 +.00306 --.5860 D E F --00322 --.01791 --.1313 Mag. = 16.4 - 0.96√ <i>d</i>	8156	18	17.924	6.724	8228	9	18.326	13.560	8300	11	16.054	19.022
8023	10	12.644	21.303		8157	9	18.736	6.343	8229	24	19.767	13.494	8301	11	17.614	19.607
8024	26	12.930	21.546		8158*	60	23.392	6.230	8230	9	19.990	13.312	8302	14	20.606	19.178
8025	17	18.416	21.974		8159	66	24.224	6.512	8231	32	24.155	13.238	8303*	57	1.816	20.514
8026	11	18.422	21.558		8160	58	24.696	6.812	8232	19	2.050	14.566	8304	42	8.853	20.978
8027	30	18.760	21.243		8161	13	25.182	6.870	8233	10	4.701	14.157	8305	17	9.100	20.952
8028*	49	21.462	21.509		8162	37	0.320	7.304	8234	31	4.774	14.318	8306	21	9.246	20.490
8029	20	24.003	21.966		8163	16	2.514	7.827	8235	25	4.973	14.334	8307	24	15.684	20.986
8030	12	24.818	21.656		8164	9	3.736	7.404	8236	9	9.446	14.874	8308	32	16.280	20.771
8031	26	25.630	21.368		8165*	35	4.466	7.943	8237	27	9.488	14.058	8309	38	18.075	20.051
8032	20	1.584	22.196		8166	9	5.999	7.160	8238	10	15.441	14.307	8310	26	18.546	20.226
8033	38	6.154	22.000		8167	33	13.724	7.527	8239	29	15.532	14.212	8311	12	21.166	20.636
8034	13	7.722	22.082		8168	11	16.258	7.890	8240	8	19.146	14.444	8312	10	23.338	20.395
8035	32	9.816	22.106		8169	10	21.718	7.817	8241	23	19.406	14.188	8313	11	25.146	20.100
8036	28	10.548	22.290		8170	16	21.981	7.702	8242	30	20.280	14.913	8314	10	2.254	21.934
8037	12	10.960	22.418		8171	12	25.597	7.586	8243	27	1.702	15.744	8315	9	2.520	21.960
8038	30	11.482	22.684		8172	22	2.990	8.591	8244	10	2.582	15.033	8316	21	3.062	21.638
8039	14	13.732	22.485		8173	35	9.062	8.642	8245	29	5.006	15.884	8317	8	4.448	21.480
8040	14	21.190	22.000		8174	10	13.712	8.653	8246*	53	5.108	15.828	8318	32	5.379	21.169
8041	26	22.408	22.749		8175	16	14.481	8.204	8247	36	7.548	15.565	8319	27	5.814	21.442
8042	10	22.856	22.996		8176	11	16.225	8.290	8248*	95	7.687	15.466	8320	36	6.186	21.994
8043	16	24.016	22.680		8177	15	20.036	8.528	8249	10	9.758	15.489	8321*	59	6.541	21.416
8044	17	25.166	22.410		8178	34	20.364	8.832	8250*	44	10.216	15.737	8322*	65	7.278	21.014
8045	13	0.402	23.069		8179	10	24.448	8.665	8251*	46	15.402	15.028	8323	17	7.970	21.138
8046	18	1.348	23.244		8180*	45	3.998	9.702	8252	9	15.844	15.730	8324*	54	15.212	21.914
8047*	48	4.764	23.988		8181*	57	4.170	9.472	8253	13	19.662	15.545	8325	34	19.752	21.970
8048	13	4.976	23.825		8182	19	10.713	9.222	8254	32	22.691	15.060	8326	34	21.915	21.871
8049	30	8.502	23.090		8183	16	10.863	9.567	8255	85	25.932	15.576	8327	18	1.444	22.253
8050	20	9.460	23.414		8184	17	15.063	9.567	8256*	57	1.432	16.488	8328	11	1.462	22.966
8051	21	10.082	23.134		8185	12	16.348	9.740	8257	17	2.370	16.474	8329	14	2.610	22.684
8052*	56	12.410	23.841		8186	8	20.306	9.245	8258	8	2.504	16.373	8330	12	4.125	22.856
8053	13	12.754	23.235		8187	11	2.986	10.332	8259	13	2.907	16.638	8331	42	7.456	22.536
8054	40	15.327	23.740		8188	39	3.820	10.349	8260	30	4.826	16.416	8332	10	8.731	22.392
8055	38	15.690	23.879		8189	19	4.720	10.166	8261*	44	7.468	16.650	8333	13	9.464	22.506
8056	42	18.317	23.178		8190	33	7.728	10.997	8262	30	8.458	16.872	8334	10	11.570	22.966
8057	42	19.318	23.218		8191	36	11.410	10.954	8263	19	10.307	16.318	8335	14	12.770	22.730
8058*	49	24.462	23.444		8192	31	13.746	10.263	8264	20	15.035	16.416	8336	10	14.052	22.300
8059	15	1.750	24.806		8193	10	13.824	10.054	8265	8	15.183	16.774	8337	24	17.590	22.652
8060	33	6.608	24.160		8194	31	15.102	10.562	8266	16	15.657	16.814	8338	9	18.633	22.156
8061	31	8.154	24.100		8195	33	20.099	10.850	8267	14	17.073	16.947	8339	9	21.529	22.638
8062*	45	8.684	24.110		8196	72	25.746	10.455	8268	11	17.826	16.080	8340	9	0.304	23.296
8063	41	9.140	24.162		8197	26	0.364	11.857	8269	30	18.420	16.232	8341*	36	1.914	23.726
8064	20	13.764	24.438		8198*	45	1.006	11.920	8270	8	18.854	16.980	8342	14	4.948	23.084
8065*	39	18.275	24.706		8199	18	1.910	11.638	8271	25	22.442	16.968	8343	10	5.976	23.534
8066	31	18.886	24.342		8200	11	6.828	11.316	8272*	35	1.480	17.588	8344	15	9.934	23.875
8067	26	0.190	25.196		8201	21	9.258	11.323	8273	9	1.864	17.381	8345	19	10.680	23.796
8068	14	5.082	25.424		8202	13	11.906	11.503	8274	11	4.432	17.505	8346	31	14.462	23.430
8069	16	6.600	25.728		8203	22	12.145	11.106	8275	13	6.505	17.970	8347	30	18.367	23.776
8070	31	7.206	25.472		8204	9	13.674	11.974	8276	8	7.798	17.732	8348	12	21.997	23.383
8071	23	9.164	25.366		8205	13	13.796	11.150	8277	26	9.233	17.112	8349	16	24.000	23.666
8072*	46	16.806	25.029		8206	32	14.635	11.747	8278	10	11.098	17.089	8350	13	25.693	23.263
8073	14	19.928	25.690		8207	18	18.280	11.588	8279	10	13.310	17.736	8351	30	25.837	23.324
8074	17	22.618	25.779		8208	37	19.772	11.340	8280	27	13.584	17.534	8352	8	7.580	24.572
8075	73	24.768	25.374		8209	9	21.881	11.530	8281	10	13.594	17.094	8353	12	9.494	24.092
					8210	15	24.572	11.648	8282	8	13.886	17.056	8354	14	16.042	24.383
					8211	12	24.748	11.114	8283	22	15.966	17.668	8355	13	16.488	24.834
					8212*	67	1.335	12.552	8284	16	12.883	18.285	8356	11	21.216	24.183
					8213	37	5.175	12.628	8285	19	14.332	18.226	8357	28	24.676	24.474
					8214	9	6.329	12.289	8286	9	15.270	18.730	8358	58	2.235	25.650
					8215	34	9.587	12.307	8287	8	15.304	18.176	8359	28	8.376	25.576
					8216	25	13.923	12.727	8288*	50	20.570	18.440	8360	24	8.728	25.983
					8217	12	18.961	12.532	8289	11	20.768	18.700	8361	8	10.314	25.572
					8218	40	19.363	12.883	8290	19	23.164	18.748	8362	13	17.148	25.927
					8219	29	20.033	12.159	8291	10	23.645	18.681	8363	36	20.448	25.752
					8220	11	22.283	12.767	8292	29	25.854	18.689	8364	24	25.593	25.357
					8221	15	0.950	13.203	8293	14	4.068	19.130				
					8222	26	3.043	13.804	8294*	58	8.418	19.980				
					8223	8	11.718	13.582	8295	42	9.606	19.645				
					8224	13	13.774	13.600	8296	13	12.854	19.082				
					8225	29	15.480	13.212	8297	30	14.335	19.488				
					8226	31	16.030	13.448	8298	45	14.437	19.144				
					8227	30	17.351	13.152	8299	8	14.726	19.558				

R.A. 4 ^h 36 ^m				R.A. 4 ^h 44 ^m			
Plate 1883; 1921 Dec. 24.				Plate 1895; 1921 Dec. 26.			
Provisional Constants.				Provisional Constants.			
A	B	C		A	B	C	
-01744	+00417	+6183		-01765	+00299	-3118	
D	E	F		D	E	F	
-00376	-01782	-1054		-00312	-01773	-1616	
Mag. = 16.3 - 0.96√d				Mag. = 17.0 - 0.96√d			
No.	d	x	y	No.	d	x	y
8401	25	1.996	0.161	8701	38	5.658	0.752
8402	31	2.980	0.084	8702	37	6.572	0.815
8403	25	5.008	0.070	8703	24	8.056	0.882
8404	31	6.322	0.650	8704	35	11.079	0.283
8405	10	10.216	0.188	8705	37	14.912	0.726
8406	31	17.295	0.366	8706	40	15.082	0.166
8407	29	17.755	0.330	8707	27	18.952	0.126
8408	11	20.818	0.630	8708	26	25.366	0.895
8409	11	2.296	1.613	8709	18	3.698	1.786
8410	16	2.650	1.998	8710	37	4.566	1.019
8411	29	4.168	1.766	8711	24	13.198	1.060
8412	10	9.059	1.270	8712	39	13.733	1.145
8413	26	14.105	1.810	8713	17	13.821	1.194
8414	11	14.870	1.320	8714	78	14.943	1.546
8415	42	20.066	1.218	8715	28	15.708	1.662
8416	18	20.756	1.005	8716	32	16.324	1.926
8417	12	21.280	1.668	8717	18	21.594	1.160
8418	26	22.100	1.504	8718	72	25.586	1.498
8419	32	22.162	1.349	8719	18	25.914	1.256
8420	30	1.670	2.631	8720	31	24.84	2.336
8421	29	8.199	2.030	8721	18	3.066	2.928
8422	14	10.594	2.169	8722	13	6.100	2.876
8423	12	11.501	2.804	8723	23	13.418	2.466
8424	10	17.510	2.470	8724	42	15.028	2.412
8425	27	17.950	2.630	8725	12	15.130	2.613
8426	25	18.989	2.884	8726	18	23.173	2.273
8427	24	19.793	2.630	8727	24	1.114	3.295
8428	38	20.580	2.330	8728	38	1.750	3.864
8429	20	0.881	3.403	8729	40	5.070	3.484
8430	10	9.028	3.160	8730	15	8.535	3.016
8431	12	9.081	3.256	8731	32	11.700	3.790
8432	21	10.462	3.040	8732	36	13.860	3.155
8433	12	11.456	3.690	8733	18	14.167	3.320
8434	26	11.574	3.430	8734	27	15.546	3.645
8435	10	14.222	3.970	8735	17	16.674	3.200
8436	10	16.818	3.450	8736	38	20.862	3.810
8437	22	20.012	3.578	8737	24	22.328	3.286
8438	19	20.554	3.656	8738	13	25.880	3.684
8439	34	20.590	3.148	8739	59	3.718	4.253
8440	10	20.858	3.314	8740	17	4.517	4.167
8441	23	24.496	3.831	8741	34	7.447	4.888
8442	45	1.082	4.834	8742	21	8.290	4.106
8443	11	1.106	4.518	8743	9	9.278	4.115
8444	10	1.758	4.179	8744	23	9.556	4.885
8445	11	6.236	4.010	8745	32	11.126	4.542
8446	28	8.070	4.875	8746	32	11.714	4.252
8447	11	9.226	4.400	8747	36	12.874	4.031
8448	11	9.734	4.432	8748	14	14.992	4.086
8449	42	9.888	4.990	8749	35	15.464	4.774
8450	10	17.173	4.044	8750	37	15.603	4.462
8451	16	18.989	4.296	8751	24	17.618	4.689
8452	24	3.357	5.690	8752	18	19.555	4.636
8453	21	3.408	5.618	8753	39	21.542	4.742
8454	10	5.212	5.301	8754	32	22.090	4.204
8455	29	8.371	5.040	8755	15	22.460	4.596

8756*	55	23.888	4.265	8828	23	9.884	9.810	8900	19	23.072	13.478	8972	23	17.084	17.705	9044	26	14.865	22.446
8757	18	25.342	4.314	8829*	58	10.173	9.486	8901	15	23.314	13.184	8973	21	17.700	17.488	9045	10	14.867	22.905
8758	21	25.851	4.274	8830	22	11.046	9.984	8902	13	23.430	13.030	8974	19	22.584	17.950	9046	29	15.536	22.567
8759	37	5.402	5.475	8831	36	12.099	9.964	8903	15	23.942	13.906	8975	39	22.590	17.592	9047	57	22.432	22.470
8760	26	7.407	5.884	8832	14	12.934	9.114	8904	41	0.264	14.886	8976	28	25.316	17.592	9048	13	22.662	22.426
8761	24	8.434	5.925	8833	23	13.520	9.695	8905	20	0.724	14.930	8977	11	3.750	18.228	9049	30	23.276	22.275
8762	24	8.657	5.878	8834	25	15.622	9.035	8906	25	2.784	14.585	8978	23	4.005	18.315	9050	26	24.100	22.714
8763	22	9.558	5.665	8835*	38	17.136	9.744	8907	44	2.866	14.386	8979*	58	6.550	18.152	9051	17	2.586	23.023
8764*	51	9.639	5.322	8836	26	18.563	9.996	8908	21	3.984	14.767	8980	36	7.450	18.506	9052	32	8.160	23.606
8765	14	14.740	5.636	8837	15	19.114	9.712	8909	21	9.554	14.976	8981	24	7.610	18.568	9053	23	9.545	23.628
8766	36	15.700	5.237	8838	23	19.168	9.094	8910	22	9.643	14.160	8982	35	9.500	18.325	9054	36	11.784	23.499
8767	38	16.286	5.807	8839	37	19.998	9.616	8911	37	10.300	14.379	8983	17	11.456	18.834	9055	14	13.574	23.496
8768	44	16.428	5.884	8840	22	0.800	10.868	8912*	55	10.559	14.072	8984	14	13.724	18.302	9056*	44	14.181	23.086
8769	39	17.036	5.672	8841	34	5.718	10.502	8913	16	13.504	14.675	8985	23	14.116	18.734	9057	17	16.166	23.436
8770*	50	17.164	5.730	8842	22	8.969	10.920	8914	28	13.551	14.098	8986	17	14.675	18.900	9058	31	16.240	23.489
8771	17	19.296	5.544	8843*	52	9.250	10.176	8915	31	15.240	14.590	8987	14	15.624	18.245	9059	12	17.915	23.064
8772	26	20.264	5.648	8844	23	10.294	10.936	8916	23	15.776	14.416	8988	16	18.189	18.836	9060	15	18.150	23.217
8773	33	20.376	5.273	8845	34	10.604	10.924	8917	26	16.426	14.475	8989*	50	18.940	18.009	9061	16	22.623	23.227
8774*	46	1.186	6.174	8846	18	10.994	10.686	8918	24	18.509	14.106	8990	23	19.626	18.920	9062	17	2.476	24.910
8775	22	1.954	6.564	8847	26	11.376	10.482	8919	12	19.739	14.913	8991	35	25.558	18.685	9063	16	3.064	24.217
8776	37	4.175	6.836	8848	37	13.176	10.232	8920	30	22.350	14.354	8992	23	2.696	19.616	9064	42	4.066	24.726
8777	16	6.706	6.916	8849	11	13.492	10.872	8921	23	22.454	14.017	8993	38	5.408	19.154	9065*	58	4.544	24.606
8778	40	8.131	6.454	8850	37	15.256	10.262	8922	28	23.531	14.645	8994	24	6.696	19.798	9066	42	5.695	24.874
8779	34	8.146	6.650	8851	23	15.613	10.746	8923	24	24.091	14.996	8995	26	6.980	19.184	9067	23	7.354	24.855
8780	39	8.162	6.386	8852	22	17.606	10.764	8924	18	25.487	14.056	8996	23	9.084	19.475	9068	32	10.650	24.285
8781	14	8.185	6.936	8853	26	17.902	10.504	8925	39	0.624	15.501	8997	23	9.412	19.964	9069*	46	11.725	24.266
8782	16	9.695	6.862	8854	32	18.586	10.304	8926	35	1.476	15.564	8998	26	12.856	19.106	9070	23	12.267	24.805
8783	23	12.346	6.251	8855	20	19.866	10.882	8927	39	4.856	15.666	8999	17	20.065	19.585	9071	17	14.323	24.036
8784	21	14.700	6.848	8856	32	20.760	10.196	8928	17	5.586	15.550	9000*	38	20.845	19.374	9072	18	16.226	24.845
8785	13	18.432	6.913	8857	35	2.146	11.215	8929	37	6.154	15.099	9001	38	21.615	19.025	9073	37	17.165	24.882
8786	37	21.455	6.474	8858	15	2.436	11.246	8930	21	6.240	15.677	9002	18	22.080	19.280	9074	48	17.298	24.210
8787*	58	21.516	6.556	8859*	52	3.236	11.001	8931	36	9.423	15.854	9003	11	24.954	19.974	9075	35	18.548	24.784
8788	42	24.504	6.174	8860	17	6.682	11.624	8932	14	10.269	15.926	9004	40	25.010	19.085	9076	36	20.904	24.926
8789	15	0.806	7.974	8861	12	7.679	11.509	8933	24	11.624	15.854	9005	16	7.005	20.865	9077	62	21.248	24.229
8790	9	1.964	7.606	8862	17	7.775	11.386	8934	26	13.463	15.334	9006*	52	7.570	20.882	9078	17	22.448	24.474
8791*	56	2.766	7.896	8863	38	8.516	11.574	8935	16	13.845	15.236	9007	38	9.946	20.136	9079	48	23.773	24.125
8792	29	3.268	7.294	8864*	58	15.303	11.430	8936	15	14.956	15.640	9008*	58	10.966	20.834	9080	18	1.257	25.340
8793	39	4.681	7.247	8865*	41	15.335	11.350	8937*	62	15.148	15.350	9009	23	12.712	20.600	9081	64	3.329	25.689
8794	17	8.666	7.710	8866	14	19.270	11.636	8938	14	15.614	15.305	9010	38	15.776	20.398	9082	26	3.628	25.476
8795	21	8.678	7.244	8867	35	20.630	11.276	8939	23	15.674	15.456	9011	16	16.976	20.972	9083	15	3.936	25.586
8796	22	9.700	7.776	8868	21	20.791	11.135	8940	23	17.966	15.744	9012	38	18.636	20.006	9084	44	4.216	25.246
8797	13	10.090	7.945	8869	14	22.945	11.744	8941	38	19.473	15.826	9013	37	18.650	20.006	9085	13	9.004	25.304
8798	19	11.752	7.594	8870	38	0.024	12.868	8942	38	19.706	15.466	9014	18	20.206	20.848	9086	41	10.466	25.321
8799	22	14.522	7.611	8871	16	1.348	12.770	8943	16	23.594	15.326	9015	36	22.232	20.528	9087	16	13.054	25.792
8800*	39	14.618	7.606	8872	37	1.426	12.503	8944	11	24.218	15.176	9016	32	24.854	20.130	9088	28	13.532	25.886
8801	16	14.986	7.455	8873	32	2.236	12.954	8945	28	25.116	15.040	9017	18	2.035	21.700	9089	37	14.424	25.598
8802	17	15.145	7.876	8874	39	4.123	12.364	8946	40	0.322	16.759	9018	21	2.994	21.545	9090	27	15.698	25.282
8803	28	16.580	7.506	8875	23	6.986	12.556	8947	32	1.556	16.100	9019	18	4.410	21.314	9091*	52	16.816	25.115
8804	31	19.319	7.675	8876*	77	8.006	12.114	8948	16	4.974	16.916	9020	10	5.066	21.256	9092	30	19.308	25.764
8805	14	20.883	7.115	8877	26	8.091	12.686	8949	42	7.320	16.514	9021	22	6.706	21.384	9093	16	19.564	25.296
8806	18	22.128	7.575	8878*	39	8.892	12.466	8950	17	8.186	16.530	9022	15	11.312	21.200	9094	26	21.436	25.724
8807	37	24.432	7.344	8879	21	10.122	12.126	8951	21	8.918	16.494	9023	18	14.920	21.586	9095	46	22.705	25.364
8808	34	4.082	8.115	8880	18	15.386	12.118	8952	14	9.535	16.066	9024	23	15.970	21.128	9096	77	24.342	25.087
8809	46	4.327	8.847	8881	36	17.922	12.440	8953	20	9.601	16.856	9025	20	17.548	21.735				
8810	37	5.012	8.098	8882	18	19.434	12.254	8954	30	10.969	16.816	9026	23	18.560	21.364				
8811*	42	5.076	8.344	8883	24	20.186	12.992	8955	20	12.475	16.855	9027	15	18.686	21.773				
8812*	42	5.612	8.174	8884	30	22.115	12.744	8956	23	13.324	16.934	9028	21	21.403	21.775				
8813	14	5.748	8.524	8885*	48	22.864	12.840	8957	16	17.546	16.110	9029	21	21.650	21.508				
8814	14	8.127	8.185	8886*	57	3.718	13.002	8958	21	18.444	16.125	9030	40	22.005	21.855				
8815	23	10.724	8.736	8887	18	5.551	13.115	8959	28	18.851	16.128	9031	56	23.399	21.756				
8816	26	13.600	8.245	8888	14	7.436	13.846	8960	18	19.890	16.906	9032	34	1.274	22.424				
8817	11	15.740	8.880	8889	20	7.973	13.287	8961	23	0.743	17.046	9033	15	2.916	22.780				
8818	38	15.844	8.190	8890	29	9.606	13.034	8962*	50	3.034	17.310	9034*	59	3.021	22.994				
8819	17	17.676	8.162	8891	25	9.860	13.434	8963	37	5.324	17.384	9035*	54	3.202	22.936				
8820	37	22.855	8.564	8892	16	10.972	13.564	8964	20	6.362	17.050	9036	14	6.584	22.672				
8821	17	22.97																	

R.A. 4^h 52^m

Plate 1891; 1921 Dec. 25.

Provisional Constants.

A	B	C
-01742	+00598	-1736

D	E	F
-00646	-01778	-1761

Mag. = 16.4 - 0.96√d

No.	d	α	β
9101	17	3.640	0.910
9102	12	7.578	0.554
9103*	53	9.780	0.484
9104	25	10.535	0.616
9105	11	14.146	0.876
9106	12	15.544	0.896
9107	12	15.875	0.684
9108*	60	21.774	0.858
9109	11	22.726	0.962
9110	18	23.352	0.157
9111	19	24.305	0.540
9112	14	24.526	0.790
9113	12	25.652	0.908
9114*	58	3.864	1.511
9115	18	4.198	1.259
9116	28	4.530	1.087
9117	15	5.824	1.986
9118*	31	7.150	1.140
9119	13	9.510	1.915
9120	26	11.575	1.550
9121	40	11.640	1.604
9122	22	11.686	1.100
9123	18	12.125	1.760
9124*	48	12.174	1.357
9125	14	12.425	1.985
9126	36	14.256	1.327
9127	31	14.839	1.532
9128	26	15.076	1.298
9129	32	17.801	1.468
9130	26	19.384	1.598
9131	20	24.050	1.215
9132	17	1.470	2.322
9133	12	7.826	2.076
9134	15	8.835	2.914
9135	25	9.664	2.636
9136	11	10.812	2.908
9137	15	11.796	2.416
9138	35	12.238	2.480
9139	17	12.288	2.320
9140	25	16.682	2.013
9141	27	17.270	2.986
9142*	80	17.593	2.744
9143	20	25.392	2.708
9144	14	0.641	3.350
9145	12	4.200	3.686
9146	20	5.378	3.134
9147	13	6.809	3.455
9148	14	7.615	3.648
9149	12	7.694	3.849
9150*	50	8.480	3.886
9151	12	10.698	3.546
9152*	47	11.560	3.826
9153	20	12.947	3.268
9154	12	13.641	3.394
9155*	60	14.574	3.006
9156	18	14.606	3.583
9157	13	15.632	3.406
9158	12	16.996	3.901
9159	24	17.313	3.811
9160	11	19.119	3.016
9161	20	23.196	3.338
9162	22	0.420	4.271
9163	11	0.799	4.660
9164*	40	2.214	4.306
9165	17	3.674	4.327
9166	20	4.183	4.278
9167	40	4.786	4.795
9168*	40	5.330	4.924
9169*	42	6.318	4.820
9170	12	7.844	4.066
9171	20	10.185	4.611
9172	20	12.602	4.150
9173	20	13.147	4.328
9174	24	13.876	4.352
9175	40	16.930	4.310
9176	12	17.584	4.644
9177	19	19.292	4.245
9178	42	20.071	4.474
9179	29	21.006	4.360
9180	12	23.319	4.904
9181	15	25.398	4.056
9182	17	8.342	5.208
9183	14	10.812	5.436
9184	11	10.818	5.442
9185	25	10.976	5.376
9186	12	11.534	5.710
9187	22	11.720	5.605
9188	20	14.264	5.423
9189	25	16.316	5.364
9190	16	17.101	5.176
9191	10	21.908	5.477
9192	18	22.906	5.676
9193*	40	24.140	5.500
9194	34	2.864	6.200
9195	12	4.828	6.194
9196	17	6.086	6.726
9197	26	6.654	6.911
9198*	35	9.803	6.450
9199	25	10.608	6.221
9200	23	10.960	6.273
9201	18	13.366	6.836
9202	11	14.842	6.250
9203	22	16.094	6.798
9204	14	16.838	6.374
9205	23	2.812	7.372
9206	12	5.138	7.410
9207	19	7.234	7.880
9208	20	9.995	7.565
9209	25	12.506	7.819
9210	14	12.510	7.940
9211	11	14.572	7.716
9212	11	14.744	7.972
9213*	40	16.096	7.196
9214	14	16.591	7.048
9215	20	17.670	7.706
9216*	39	18.764	7.504
9217	10	20.148	7.648
9218*	62	21.885	7.156
9219*	36	22.538	7.535
9220	14	23.862	7.212
9221	24	1.256	8.618
9222	10	1.371	8.623
9223*	40	3.064	8.206
9224	19	5.809	8.749
9225	20	11.128	8.088
9226*	56	15.649	8.186
9227	17	15.724	8.654
9228	17	15.990	8.402
9229	13	21.630	8.442
9230	12	23.924	8.264
9231	18	5.894	9.798
9232	34	6.470	9.035
9233	20	7.032	9.596
9234	12	7.083	9.530
9235	20	7.186	9.176
9236	12	10.270	9.041
9237	24	12.520	9.171
9238	20	13.060	9.988
9239	14	15.540	9.646
9240	14	22.425	9.186
9241	22	22.628	9.441
9242	45	25.474	9.506
9243	15	25.976	9.388
9244	11	1.575	10.134
9245*	40	4.520	10.936
9246	14	6.944	10.656
9247	24	9.359	10.738
9248	22	15.625	10.218
9249	26	16.761	10.316
9250*	52	20.132	10.094
9251	24	20.888	10.624
9252	12	21.566	10.992
9253	18	23.126	10.006
9254	18	24.296	10.645
9255	12	25.048	10.780
9256	28	25.983	10.101
9257	12	4.734	11.241
9258	30	6.288	11.666
9259	20	11.016	11.784
9260	12	12.053	11.984
9261	25	13.420	11.534
9262	21	17.420	11.530
9263	11	17.520	11.471
9264*	44	17.580	11.990
9265	12	17.618	11.828
9266	24	18.164	11.250
9267	18	18.279	11.466
9268	14	19.940	11.286
9269	25	21.771	11.294
9270	20	25.424	11.170
9271	17	0.585	12.812
9272*	38	1.335	12.896
9273	18	5.853	12.080
9274	14	7.447	12.521
9275	20	10.780	12.326
9276	10	14.780	12.246
9277	19	15.940	12.766
9278	14	18.326	12.705
9279	31	20.116	12.764
9280	12	22.829	12.364
9281	18	23.710	12.688
9282	25	0.973	13.186
9283	16	1.445	13.389
9284	10	1.554	13.530
9285	9	2.428	13.944
9286	12	4.635	13.827
9287	40	5.072	13.428
9288	15	5.174	13.694
9289	12	5.601	13.956
9290	22	6.382	13.431
9291	14	8.248	13.164
9292	25	8.350	13.324
9293	10	9.832	13.150
9294	12	10.706	13.452
9295	20	10.995	13.000
9296	14	11.908	13.454
9297	10	14.322	13.300
9298	25	14.554	13.697
9299	20	16.436	13.848
9300	28	21.614	13.020
9301	18	0.846	14.415
9302	13	0.945	14.079
9303	17	2.030	14.687
9304	12	3.982	14.068
9305	35	6.670	14.200
9306*	40	8.150	14.216
9307	9	9.650	14.801
9308	14	10.622	14.700
9309*	52	15.368	14.809
9310	15	16.512	14.726
9311	25	16.964	14.398
9312	20	17.660	14.965
9313	24	18.701	14.350
9314	14	19.270	14.880
9315	12	19.561	14.660
9316	18	20.266	14.186
9317	25	20.564	14.850
9318	25	21.986	14.790
9319	12	22.662	14.074
9320	18	2.601	15.030
9321	9	2.731	15.207
9322	18	3.625	15.056
9323	13	4.186	15.328
9324	25	5.680	15.776
9325	9	9.044	15.517
9326	12	9.398	15.145
9327	11	9.873	15.015
9328	29	10.183	15.756
9329*	46	12.538	15.052
9330	13	13.246	15.288
9331	16	13.485	15.072
9332	32	15.683	15.498
9333	13	15.974	15.483
9334	13	15.985	15.676
9335	14	16.610	15.150
9336	19	16.930	15.719
9337	19	21.544	15.425
9338	12	21.751	15.526
9339	14	23.712	15.932
9340	18	24.570	15.283
9341	27	25.264	15.995
9342	22	6.380	16.342
9343	19	7.790	16.450
9344	15	8.857	16.558
9345	16	9.076	16.790
9346	25	10.664	16.769
9347	23	11.032	16.636
9348	20	11.832	16.943
9349	13	15.150	16.974
9350	12	16.788	16.550
9351	10	17.389	16.530
9352	33	1.140	17.650
9353	16	3.870	17.605
9354	9	5.834	17.594
9355	15	7.586	17.897
9356	11	8.346	17.912
9357	36	10.910	17.132
9358	13	10.970	17.602
9359*	66	11.206	17.294
9360*	62	13.374	17.780
9361	10	14.235	17.881
9362	15	21.324	17.954
9363	28	24.584	17.462
9364	12	1.145	18.012
9365	26	4.128	18.692
9366	12	5.126	18.030
9367	12	5.975	18.192
9368	11	6.275	18.142
9369	31	8.596	18.141
9370	17	10.410	18.088
9371	14	19.340	18.180
9372	12	25.296	18.870
9373	24	0.193	19.100
9374	10	0.662	19.346
9375	11	3.225	19.885
9376	28	3.590	19.101
9377	22	6.604	19.145
9378	11	9.184	19.754
9379	13	9.885	19.566
9380*	44	10.034	19.144
9381	14	10.224	19.780

9444	25	9-864	23-270	9513	27	17-240	0-044	9585*	140	16-412	6-593	9657	12	7-840	11-096	9729	40	8-529	16-571
9445	15	10-675	23-018	9514	31	18-378	0-768	9586	10	16-492	6-091	9658*	36	8-550	11-519	9730	32	14-238	16-538
9446	31	14-377	23-856	9515	26	25-583	0-897	9587	10	20-390	6-442	9659*	95	9-112	11-750	9731	13	15-938	16-554
9447	12	15-056	23-940	9516	24	2-600	1-285	9588	26	20-678	6-152	9660	9	11-350	11-512	9732	14	20-559	16-586
9448	38	17-953	23-362	9517*	46	8-180	1-890	9589	11	20-935	6-350	9661	14	13-670	11-918	9733*	47	21-461	16-184
9449	24	18-005	23-064	9518	42	9-809	1-636	9590*	55	23-750	6-215	9662	12	17-786	11-172	9734	15	23-192	16-438
9450	11	20-570	23-628	9519	19	10-973	1-620	9591	67	0-515	7-260	9663	31	20-001	11-070	9735	30	3-380	17-524
9451	14	22-415	23-194	9520	33	12-434	1-616	9592	39	1-180	7-630	9664	35	22-652	11-036	9736	31	5-040	17-138
9452	28	23-700	23-259	9521*	60	14-650	1-134	9593	11	8-138	7-345	9665	10	1-548	12-453	9737	21	7-620	17-916
9453	16	24-230	23-199	9522	40	16-728	1-260	9594	17	10-597	7-320	9666	14	2-434	12-764	9738*	41	10-833	17-123
9454	32	2-434	24-161	9523	33	19-115	1-840	9595	35	22-439	7-674	9667	11	10-958	12-606	9739	44	12-672	17-644
9455	24	5-002	24-754	9524	38	21-700	1-190	9596	40	25-362	7-836	9668	26	11-508	12-628	9740	23	13-851	17-970
9456	40	8-205	24-188	9525	14	22-411	1-216	9597	10	2-580	8-338	9669	15	14-002	12-714	9741	33	14-078	17-226
9457	20	8-875	24-388	9526	10	23-800	1-258	9598	24	5-015	8-438	9670	31	14-493	12-386	9742	32	16-313	17-048
9458	30	10-122	24-068	9527	25	3-966	2-758	9599	22	5-964	8-533	9671	34	17-422	12-743	9743	27	16-740	17-126
9459	14	11-387	24-832	9528*	52	6-207	2-730	9600	13	6-090	8-205	9672	28	17-986	12-701	9744*	60	16-862	17-512
9460	17	12-184	24-558	9529	27	7-463	2-838	9601	16	10-000	8-222	9673	21	21-040	12-686	9745	17	17-376	17-854
9461	32	12-600	24-250	9530	12	8-324	2-590	9602	42	10-800	8-519	9674	40	23-518	12-774	9746	14	18-926	17-968
9462	28	12-957	24-558	9531	22	11-982	2-445	9603	27	11-362	8-707	9675	29	24-575	12-774	9747	24	19-724	17-910
9463	26	13-005	24-976	9532	28	15-240	2-110	9604	31	16-250	8-476	9676	10	24-741	12-530	9748*	49	22-548	17-180
9464	17	14-268	24-170	9533	11	15-446	2-480	9605*	66	16-812	8-276	9677	29	25-232	12-550	9749	29	23-022	17-723
9465	14	15-006	24-752	9534	30	18-761	2-962	9606	10	25-653	8-370	9678	24	25-528	12-346	9750	9	25-636	17-460
9466	24	17-400	24-573	9535	43	19-005	2-230	9607	13	1-098	9-280	9679	42	25-758	12-260	9751	11	0-139	18-065
9467	12	18-926	24-327	9536	22	24-044	2-958	9608	13	1-302	9-534	9680	29	0-339	13-128	9752	16	8-401	18-726
9468*	31	21-099	24-460	9537	16	1-780	3-420	9609*	48	4-140	9-559	9681	29	6-332	13-240	9753	14	8-655	18-886
9469	31	1-390	25-415	9538	10	4-950	3-956	9610	19	4-650	9-428	9682	25	7-619	13-200	9754	28	10-510	18-349
9470*	60	3-012	25-116	9539	10	7-066	3-840	9611	10	6-150	9-689	9683	21	10-752	13-893	9755	20	12-868	18-790
9471	12	3-624	25-707	9540	20	7-255	3-466	9612	33	6-531	9-109	9684	43	13-420	13-166	9756	23	15-000	18-565
9472	27	4-837	25-315	9541*	50	7-260	3-370	9613	13	8-410	9-060	9685	37	15-192	13-930	9757	26	16-917	18-370
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				9564	11	7-406	5-947	9636	31	4-664	10-144	9708*	43	21-369	14-136	9780*	51	15-580	19-316
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9814	44	12-897	22-369	9868*	60	15-406	1-759	9940*	40	18-818	6-366	10012	25	7-118	11-590	10084	8	5-154	14-594																
9815	22	13-880	22-810	9869	8	16-424	1-661	9941	9	19-986	6-140	10013	26	7-962	11-528	10085	29	6-066	14-509																
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9823*	46	8-484	23-200	9877	17	12-492	2-210	9949	11	2-915	7-968	10021*	100	21-728	11-905	10093	16	15-045	14-775																
9824*	54	8-545	23-420	9878	39	25-607	2-326	9950*	84	5-296	7-483	10022	10	24-362	11-082	10094	11	15-220	14-256																
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9845	40	21-423	25-500	9899*	41	12-742	4-190	9971	19	11-522	8-288	10043	26	17-767	12-406	10115	10	23-462	15-668																
9846*	31	21-554	25-007	9900	15	14-793	4-772	9972	10	12-302	8-658	10044	34	18-332	12-158	10116	24	23-773	15-826																
<div>R.A. 5^h 8^m</div> <div>Plate 1898 ; 1921 Dec. 27.</div> <div>Provisional Constants.</div> <div><div>A</div><div>B</div><div>C</div><div>-01757</div><div>+00905</div><div>-7627</div></div> <div><div>D</div><div>E</div><div>F</div><div>-00918</div><div>-01764</div><div>-7907</div></div> <div>Mag.=16.3-0.16√d</div>																				9901	13	14-894	4-469	9973	26	13-916	8-074	10045	27	21-318	12-516	10117	10	23-904	15-115
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				R.A. 5 ^h 16 ^m							
				Plate 1899; 1921 Dec. 27							
				Provisional Constants.							
				A B C							
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				D E F							
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10143	14	3-028	17-058	10215*	32	9-790	20-964	10356	34	14-351	3-172
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10145*	37	6-887	17-480	10217	43	23-128	20-682	10358	15	15-864	3-856
10146*	44	8-938	17-812	10218	30	0-236	21-745	10359	13	17-305	3-891
10147	31	9-566	17-820	10219	8	0-244	21-448	10360	14	18-486	3-611
10148	30	12-444	17-313	10220	11	4-556	21-216	10361	14	18-746	3-940
10149	26	12-460	17-321	10221	31	5-314	21-358	10362*	33	19-332	3-188
10150	10	13-470	17-910	10222	14	7-098	21-930	10363	23	22-195	3-319
10151	18	13-582	17-274	10223	28	9-166	21-208	10364	16	25-704	3-843
10152	9	14-038	17-774	10224	24	12-540	21-526	10365	40	0-032	4-559
10153	12	14-189	17-532	10225	8	14-904	21-085	10366	12	0-770	4-316
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10155	8	20-056	17-352	10227	8	19-576	21-470	10368	28	1-354	4-097
10156	13	21-074	17-615	10228	20	21-004	21-092	10369	21	1-996	4-690
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10166	10	3-057	18-212	10238*	41	16-794	22-496	10379	19	11-792	4-612
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10191	33	7-198	19-512	10263	9	20-448	24-816	10404*	51	21-846	5-000
10192	20	9-510	19-940	10264	8	5-071	25-587	10405*	40	22-579	5-505
10193*	38	12-285	19-914	10265	44	6-043	25-862	10406*	80	22-636	5-514
10194	9	12-322	19-440	10266	28	7-290	25-412	10407	19	22-689	5-739
10195	20	12-945	19-764	10267	42	8-598	25-076	10408	31	23-316	5-880
10196	19	13-858	19-520	10268	11	9-260	25-104	10409	17	23-414	5-646
10197	10	14-318	19-060	10269	12	13-100	25-535	10410	21	0-066	6-168
10198	9	14-440	19-638	10270	27	13-494	25-095	10411	29	4-536	6-168
10199	17	15-638	19-313	10271	41	15-199	25-635	10412*	36	4-635	6-539
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10203	10	18-242	19-286	10275	18	19-810	25-510	10416	29	10-018	6-070
10204	12	24-270	19-124					10417	25	11-289	6-060
10205	10	0-256	20-442					10418*	44	14-324	6-920
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10207	18	3-669	20-921					10420	15	15-522	6-842
10208	22	3-953	20-299					10421	17	17-507	6-080
10209	26	4-129	20-246					10422*	43	17-872	6-287
10210	28	6-684	20-446					10423	34	19-501	6-475
10211	23	7-270	20-787					10424	10	20-569	6-838
10212	14	7-425	20-302					10425*	36	21-515	6-170
10213*	67	8-694	20-152					10426*	39	23-870	6-920
10214	12	9-286	20-914					10427	18	24-462	6-370

R.A. 5 ^h 24 ^m															
Plate 1892; 1921 Dec. 25.															
Provisional Constants.															
A				B				C							
-01756				+00608				+2852							
D				E				F							
-00608				-01772				-3571							
Mag. = 16.7 - 0.96√d															
No.				d				u				y			
10801				18				2-162				0-222			
10802				42				12-694				0-358			
10803				25				13-441				0-660			
10804				11				17-321				0-290			
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10817*				60				16-012				1-238			
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10831				12				14-378				2-670			
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10856	39	23.644	3.300	10928	20	9.644	7.116	11000	34	12.439	11.086	11072	12	16.559	14.068	11144	13	0.930	18.787
10857	11	24.562	3.844	10929	24	10.810	7.551	11001	16	12.677	11.462	11073	14	17.832	14.090	11145	31	1.182	18.534
10858	35	4.703	4.719	10930	12	11.210	7.116	11002*	43	13.960	11.790	11074	10	17.840	14.001	11146	24	5.370	18.124
10859	36	5.228	4.062	10931	14	18.248	7.182	11003	11	15.156	11.180	11075	13	17.910	14.568	11147	15	5.646	18.090
10860	27	5.474	4.530	10932	12	18.789	7.083	11004	10	16.162	11.286	11076	22	17.911	14.580	11148	18	8.048	18.970
10861	13	8.230	4.818	10933	24	19.258	7.736	11005	17	17.336	11.722	11077	12	19.751	14.430	11149*	41	8.850	18.874
10862	12	8.440	4.860	10934	28	20.596	7.173	11006	29	17.370	11.545	11078	24	21.180	14.920	11150	12	9.019	18.380
10863	20	12.967	4.260	10935*	42	23.938	7.946	11007	11	17.798	11.120	11079	15	1.092	15.730	11151	10	10.998	18.386
10864	32	13.290	4.877	10936	31	24.010	7.336	11008	11	17.810	11.891	11080	10	2.098	15.348	11152	15	12.594	18.853
10865	32	13.290	4.370	10937*	48	9.010	8.518	11009	11	19.127	11.388	11081	12	4.481	15.612	11153	10	12.670	18.760
10866	12	13.506	4.620	10938	24	9.117	8.198	11010*	47	19.484	11.002	11082*	68	5.364	15.476	11154	13	12.765	18.169
10867	26	16.972	4.256	10939	28	10.602	8.396	11011	20	20.382	11.959	11083	12	7.479	15.610	11155	32	13.054	18.105
10868*	47	21.240	4.079	10940	14	10.966	8.858	11012*	39	22.548	11.740	11084	12	8.452	15.100	11156	15	13.772	18.988
10869*	48	22.214	4.810	10941	26	13.296	8.798	11013	11	0.555	12.410	11085	11	9.315	15.845	11157	20	14.928	18.180
10870*	71	23.613	4.047	10942	12	14.787	8.470	11014	30	2.057	12.564	11086	20	9.330	15.170	11158	31	16.870	18.320
10871*	46	25.193	4.182	10943	14	15.041	8.933	11015	34	3.518	12.138	11087	31	10.138	15.066	11159	24	16.922	18.264
10872	42	0.545	5.388	10944	20	15.158	8.536	11016	36	5.662	12.717	11088	16	10.238	15.036	11160	10	18.014	18.235
10873*	81	0.596	5.397	10945*	45	15.302	8.772	11017*	49	7.180	12.338	11089	18	10.390	15.950	11161	12	19.156	18.684
10874	16	0.662	5.620	10946	10	16.162	8.166	11018	17	8.442	12.056	11090	20	17.905	15.237	11162	36	19.450	18.100
10875	31	1.288	5.752	10947	17	17.450	8.384	11019	25	10.430	12.532	11091	44	23.978	15.333	11163	22	21.496	18.506
10876	17	1.386	5.516	10948	21	21.669	8.440	11020*	49	11.118	12.198	11092	14	0.575	16.986	11164	18	22.172	18.640
10877	13	2.430	5.886	10949	13	22.606	8.690	11021	14	14.980	12.472	11093	24	4.098	16.538	11165*	46	22.281	18.214
10878	22	5.383	5.976	10950	25	23.490	8.628	11022	14	15.129	12.068	11094	26	5.598	16.320	11166*	78	23.780	18.240
10879*	40	9.090	5.170	10951	20	23.935	8.842	11023	14	15.190	12.432	11095	19	6.490	16.025	11167	48	25.939	18.012
10880*	44	10.109	5.018	10952	21	24.970	8.585	11024	12	15.340	12.601	11096	17	9.850	16.890	11168	40	0.781	19.104
10881	22	11.666	5.802	10953	34	25.127	8.500	11025	18	17.138	12.828	11097	22	10.445	16.441	11169	12	1.142	19.244
10882	40	12.434	5.385	10954	19	25.518	8.420	11026	17	21.124	12.891	11098	18	12.038	16.798	11170	18	1.526	19.432
10883	10	12.990	5.946	10955	12	0.929	9.232	11027	10	23.043	12.800	11099	12	15.366	16.560	11171	13	3.494	19.866
10884	13	13.770	5.840	10956	14	2.925	9.340	11028	11	23.069	12.708	11100	31	16.527	16.061	11172	9	3.750	19.502
10885	14	14.192	5.550	10957	29	8.811	9.187	11029*	56	23.170	12.469	11101	36	16.830	16.763	11173	12	4.772	19.332
10886	25	15.180	5.582	10958	20	9.534	9.652	11030	16	24.196	12.109	11102	31	17.262	16.278	11174	30	5.245	19.054
10887	17	16.476	5.474	10959	24	11.305	9.285	11031	15	25.162	12.132	11103	38	17.474	16.898	11175	19	5.592	19.353
10888	27	17.615	5.108	10960	10	12.767	9.114	11032	14	1.759	13.420	11104	12	17.724	16.470	11176	28	6.201	19.716
10889	29	18.145	5.764	10961	37	15.014	9.630	11033	11	2.922	13.184	11105	9	17.990	16.866	11177	24	6.986	19.139
10890	31	20.860	5.512	10962	16	15.376	9.014	11034	39	4.014	13.367	11106	10	18.677	16.134	11178	40	8.688	19.249
10891	11	21.663	5.527	10963	31	15.776	9.346	11035	14	4.698	13.836	11107	27	20.327	16.102	11179	33	9.438	19.786
10892	13	22.972	5.197	10964*	64	17.102	9.932	11036*	40	7.050	13.089	11108	12	20.550	16.532	11180*	42	12.236	19.240
10893	10	23.988	5.958	10965	19	17.194	9.596	11037	22	8.134	13.174	11109	12	21.742	16.258	11181	12	12.460	19.559
10894	26	25.318	5.294	10966*	45	19.210	9.178	11038	18	8.838	13.836	11110	10	23.194	16.140	11182	22	12.650	19.170
10895*	42	1.854	6.784	10967	11	20.022	9.496	11039	12	10.748	13.660	11111	24	23.358	16.088	11183	26	16.660	19.632
10896	23	2.443	6.226	10968	14	20.188	9.624	11040	40	12.235	13.245	11112	29	23.388	16.374	11184	31	17.024	19.017
10897	25	2.898	6.396	10969	15	20.424	9.546	11041	13	13.809	13.146	11113	24	24.570	16.774	11185	11	18.940	19.410
10898*	44	3.320	6.799	10970	19	2.114	10.180	11042	30	14.665	13.878	11114	14	25.603	16.314	11186*	51	18.969	19.400
10899*	59	3.647	6.149	10971	12	2.725	10.878	11043	12	17.617	13.703	11115	12	25.978	16.764	11187	30	20.428	19.945
10900	18	7.462	6.874	10972	25	4.659	10.180	11044	9	19.702	13.260	11116	40	2.747	17.716	11188*	60	20.510	19.348
10901	31	7.951	6.495	10973	13	4.972	10.426	11045*	51	19.936	13.934	11117	40	2.935	17.728	11189	31	24.494	19.726
10902	19	8.142	6.778	10974	10	6.000	10.746	11046	29	19.939	13.868	11118	10	3.552	17.503	11190	37	25.412	19.510
10903	36	9.620	6.598	10975*	57	7.054	10.371	11047	16	20.366	13.542	11119	26	3.885	17.540	11191	33	25.429	19.446
10904	22	11.412	6.782	10976	14	7.278	10.968	11048	20	23.635	13.250	11120	38	4.400	17.558	11192	10	3.196	20.187
10905*	48	11.704	6.285	10977	25	8.485	10.718	11049	19	23.926	13.744	11121	12	6.450	17.782	11193	15	5.898	20.442
10906*	84	13.514	6.667	10978	22	8.824	10.452	11050	13	23.971	13.564	11122	12	7.791	17.240	11194	41	6.602	20.118
10907	31	16.662	6.220	10979	17	8.856	10.838	11051	16	24.386	13.764	11123	31	8.798	17.032	11195	16	7.868	20.598
10908	12	18.650	6.259	10980	12	9.902	10.734	11052	18	25.771	13.626	11124	12	9.020	17.080	11196*	39	11.360	20.889
10909	10	22.264	6.560	10981	21	10.770	10.078	11053	14	25.820	13.795	11125	28	9.180	17.822	11197	10	12.541	20.054
10910	33	23.349	6.302	10982	12	12.908	10.552	11054	40	1.756	14.880	11126*	60	10.026	17.288	11198*	45	16.450	20.535
10911	23	23.939	6.220	10983	15	13.826	10.832	11055	12	1.984	14.948	11127	26	11.274	17.423	11199	10	16.955	20.908
10912	25	24.092	6.688	10984	23	14.707	10.239	11056*	47	3.413	14.253	11128	12	12.462	17.025	11200	12	18.041	20.951
10913	14	24.432	6.287	10985	11	16.065	10.400	11057	20	5.216	14.368	11129	24	12.836	17.141	11201	11	19.958	20.500
10914	34	24.492	6.600	10986	22	18.230	10.296	11058	18	5.900	14.330	11130	38	13.378	17.590	11202	25	20.087	20.972
10915*	35	24.778	6.535	10987	14	19.165	10.632	11059	11	6.050	14.765	11131	38	13.450	17.774	11203	25	22.316	20.536
10916	12	0.176	7.863	10988	13	21.370	10.284	11060	20	6.190	14.369	11132	17	13.586	17.072	11204	14	23.828	20.129
10917	14	0.965	7.221	10989	16	22.210	10.024	11061	11	7.255	14.344	11133	10	13.870	17.681	11205	14	24.095	20.140
10918	12	2.438	7.145	10990															

11216*	30	7.892	21.440	11288	11	13.210	24.482	11375	10	23.971	1.850	11447*	48	19.424	5.050	11519	16	7.440	9.983
11217	34	7.962	21.414	11289	40	13.982	24.364	11376	27	2.790	2.735	11448	28	19.552	5.050	11520	11	8.514	9.323
11218	12	9.195	21.935	11290	11	14.310	24.290	11377	10	3.180	2.719	11449	33	0.673	6.772	11521*	41	8.694	9.812
11219	12	10.046	21.224	11291	15	15.945	24.081	11378	27	6.350	2.544	11450	27	1.264	6.680	11522	10	9.622	9.223
11220	25	11.084	21.012	11292	35	16.026	24.088	11379	27	7.293	2.786	11451	12	1.310	6.414	11523	10	11.002	9.507
11221	40	12.598	21.786	11293	12	21.271	24.784	11380	13	8.182	2.176	11452	19	1.760	6.734	11524	17	16.920	9.080
11222	15	13.461	21.538	11294	11	22.340	24.830	11381	43	10.146	2.978	11453*	38	2.107	6.978	11525*	39	17.875	9.997
11223	31	13.842	21.300	11295*	78	23.170	24.215	11382	28	10.850	2.946	11454	10	4.520	6.770	11526	40	19.422	9.986
11224	18	16.046	21.997	11296	30	1.830	25.782	11383	10	11.102	2.164	11455	12	5.050	6.380	11527	30	20.130	9.050
11225	10	16.504	21.380	11297	37	8.433	25.665	11384	24	11.922	2.240	11456	24	6.400	6.010	11528*	51	23.074	9.650
11226	14	16.560	21.410	11298	21	9.386	25.098	11385	18	14.892	2.160	11457	37	8.156	6.495	11529*	76	23.742	9.004
11227	26	16.716	21.482	11299	11	11.594	25.282	11386	25	14.996	2.939	11458	13	10.070	6.640	11530	31	24.328	9.474
11228	19	18.870	21.557	11300	12	11.668	25.372	11387	40	17.136	2.005	11459	31	10.356	6.631	11531	33	24.396	9.038
11229	13	18.881	21.755	11301	15	16.254	25.023	11388	24	21.167	2.204	11460	31	10.757	6.390	11532	11	5.806	10.397
11230*	60	20.348	21.383	11302	11	16.990	25.568	11389	17	22.130	2.240	11461*	43	12.672	6.472	11533*	56	6.005	10.384
11231	15	22.074	21.112	11303	51	17.451	25.818	11390	13	24.080	2.179	11462	17	13.670	6.515	11534	10	7.130	10.983
11232	14	22.389	21.290	11304	18	18.053	25.400	11391	29	35.070	2.956	11463	14	16.596	6.520	11535	10	14.336	10.998
11233	13	22.474	21.371	11305	10	19.086	25.501	11392	14	0.224	3.074	11464	10	20.940	6.204	11536*	48	15.904	10.331
11234	12	24.572	21.782	11306	27	19.123	25.859	11393	43	0.914	3.765	11465	13	20.968	6.298	11537	14	16.128	10.086
11235	9	0.210	22.006	11307	31	19.406	25.210	11394	35	5.016	3.742	11466	22	24.955	6.758	11538	11	16.702	10.834
11236	6	0.396	22.164	11308	24	22.210	25.878	11395*	51	6.612	3.306	11467	19	25.627	6.942	11539	12	21.288	10.738
11237	12	1.036	22.872	11309	13	22.362	25.532	11396*	35	8.594	3.216	11468	19	25.876	6.903	11540	13	21.760	10.819
11238	22	2.905	22.182	11310	36	23.629	25.087	11397	25	9.107	3.342	11469	32	1.356	7.793	11541	12	22.135	10.718
11239	15	3.340	22.164	11311	12	24.276	25.742	11398	10	9.489	3.692	11470	27	1.426	7.144	11542	24	23.010	10.344
11240	9	5.238	22.604	11312	37	24.670	25.789	11399	15	9.977	3.307	11471	33	1.824	7.049	11543	20	25.690	10.871
11241	21	5.610	22.240	11313	19	24.969	25.126	11400	10	10.058	3.383	11472	10	1.860	7.688	11544	17	0.304	11.300
11242	12	5.622	22.940	11314	25	24.995	25.183	11401	25	10.133	3.644	11473	10	3.504	7.830	11545	36	5.156	11.556
11243	36	6.532	22.668					11402	11	10.368	3.658	11474	27	4.553	7.953	11546*	49	5.549	11.214
11244	24	7.216	22.740					11403	11	12.626	3.004	11475	10	5.465	7.320	11547	24	6.214	11.358
11245	21	8.572	22.260					11404	8	12.855	3.190	11476	32	5.660	7.437	11548	10	7.560	11.186
11246	12	9.547	22.141					11405	29	15.384	3.211	11477	15	6.332	7.939	11549	12	8.122	11.300
11247	17	10.118	22.722					11406	10	16.414	3.460	11478	13	7.445	7.442	11550	13	9.343	11.450
11248	12	10.568	22.472					11407	11	22.999	3.364	11479	14	8.648	7.057	11551	14	10.650	11.646
11249	25	10.654	22.687					11408	26	23.864	3.635	11480	26	10.399	7.059	11552	26	11.416	11.603
11250	28	10.864	22.290					11409*	80	23.944	3.200	11481	36	11.424	7.618	11553*	46	14.648	11.872
11251	14	12.202	22.994					11410	30	24.612	3.316	11482	24	12.786	7.515	11554*	54	14.894	11.364
11252	18	13.498	22.160					11411	10	24.894	3.335	11483	26	13.308	7.407	11555	13	15.890	11.033
11253	14	13.684	22.922					11412*	68	0.890	4.514	11484	15	13.676	7.993	11556	20	18.620	11.725
11254	23	14.741	22.234					11413	12	1.846	4.294	11485	14	15.320	7.067	11557	12	20.992	11.284
11255	12	18.900	22.020					11414*	51	2.477	4.618	11486	18	19.096	7.336	11558	37	21.094	11.226
11256	22	20.996	22.754					11415	15	3.308	4.668	11487	14	19.926	7.530	11559*	47	21.922	11.148
11257	36	21.920	22.693					11416	22	4.180	4.813	11488	13	20.044	7.840	11560	12	25.754	11.126
11258	22	23.074	22.064					11417	16	5.138	4.133	11489	16	21.100	7.646	11561*	56	0.602	12.941
11259	16	25.825	22.086					11418	14	5.718	4.081	11490	17	21.810	7.790	11562	16	1.630	12.564
11260	24	1.863	23.870					11419	14	10.674	4.800	11491	27	22.292	7.842	11563	12	2.596	12.570
11261*	55	2.642	23.155					11420	33	11.516	4.670	11492	28	25.052	7.766	11564	38	6.630	12.630
11262	10	4.599	23.884					11421	29	12.132	4.390	11493*	41	1.289	8.406	11565	10	9.042	12.430
11263	15	5.808	23.620					11422	13	16.380	4.044	11494	36	2.492	8.937	11566	16	12.246	12.578
11264	12	6.014	23.875					11423	21	18.476	4.429	11495	25	2.880	8.850	11567	18	13.022	12.594
11265	16	11.319	23.087					11424	32	18.884	4.762	11496	10	5.174	8.114	11568	10	14.886	12.322
11266	14	11.770	23.516					11425	24	18.900	4.900	11497	10	6.513	8.734	11569	27	16.669	12.056
11267	11	12.890	23.005					11426	14	19.458	4.438	11498	39	6.612	8.774	11570	13	18.424	12.830
11268	19	14.025	23.597					11427	20	19.607	4.246	11499	35	6.852	8.639	11571	10	18.523	12.154
11269	12	14.724	23.745					11428	22	19.714	4.204	11500*	43	8.309	8.966	11572*	44	18.802	12.204
11270	11	15.207	23.938					11429	18	23.073	4.011	11501	26	10.631	8.156	11573	26	20.290	12.770
11271	35	15.356	23.909					11430	24	23.469	4.968	11502	10	11.488	8.900	11574*	37	21.086	12.375
11272	15	16.002	23.219					11431	11	25.768	4.259	11503	20	11.816	8.194	11575	17	21.620	12.500
11273	25	17.296	23.142					11432	11	25.964	4.537	11504	25	12.154	8.810	11576	31	22.764	12.380
11274	12	18.170	23.240					11433	13	0.280	5.676	11505	30	12.532	8.436	11577	10	24.012	12.290
11275	19	20.434	23.950					11434	29	2.625	5.727	11506	22	14.138	8.730	11578	24	1.089	13.714
11276	38	24.013	23.040					11435	29	5.804	5.524	11507	24	16.216	8.402	11579	29	6.795	13.174
11277	26	24.826	23.664					11436	15	6.006	5.555	11508	29	17.258	8.384	11580	10	6.867	13.252
11278	18	5.337	24.395					11437	28	6.641	5.004	11509	27	17.688	8.542	11581	21	7.575	13.094
11279	40	8.330	24.000					11438	23	7.867	5.277	11510	24	18.405	8.552	11582	19	8.600	13.660
11280	28	9.439	24.955					11439	18	9.610	5.880	11511	12	19.350	8.800	11583	12	10.002	13.506
11281	12	9.613	24.690					11440	24	12.866	5.954	11512	10	22.387	8.236	11584	25	10.790	13.631
11282	18	9.755	24.472					11441	10	16.172	5.955	11513	52	25.190					

11591	28	20.840	13.222	11663	10	2.580	18.753	11735	25	12.784	21.600	11807	16	8.930	25.995	11878*	42	16.445	2.896
11592	28	22.242	13.840	11664*	47	3.472	18.432	11736	15	12.873	21.067	11808	10	11.844	25.680	11879*	46	19.168	2.244
11593*	55	23.990	13.580	11665	14	5.529	18.824	11737	27	15.406	21.090	11809*	66	11.930	25.120	11880	35	19.586	2.574
11594	19	1.388	14.203	11666	10	7.600	18.119	11738	25	15.418	21.544	11810	34	12.384	25.728	11881	28	19.994	2.838
11595	19	1.850	14.214	11667	12	7.846	18.166	11739	24	16.527	21.193	11811	27	13.040	25.750	11882*	39	23.251	2.936
11596	25	3.230	14.052	11668*	51	8.610	18.864	11740	15	17.130	21.091	11812	32	13.132	25.339	11883	15	23.429	2.434
11597	20	3.285	14.218	11669	18	8.864	18.334	11741	21	17.815	21.448	11813	35	13.560	25.811	11884	14	25.083	2.736
11598	30	4.515	14.874	11670	29	11.702	18.970	11742	13	19.790	21.274	11814	14	13.574	25.236	11885	36	2.614	3.526
11599	14	5.202	14.606	11671	27	13.815	18.665	11743	24	21.647	21.826	11815	66	14.134	25.484	11886*	80	2.676	3.094
11600	16	7.162	14.378	11672	17	14.100	18.067	11744	47	21.752	21.178	11816	25	14.172	25.617	11887	37	3.357	3.198
11601	15	8.590	14.164	11673	27	15.091	18.367	11745	47	22.973	21.692	11817	11	14.458	25.715	11888	28	4.895	3.470
11602	17	8.596	14.509	11674	19	15.100	18.857	11746*	79	23.044	21.693	11818	15	15.254	25.252	11889	28	12.716	3.058
11603	14	8.751	14.190	11675	27	15.566	18.778	11747	28	23.326	21.178	11819	44	15.522	25.826	11890	32	12.718	3.985
11604	20	8.987	14.870	11676	12	15.621	18.910	11748	22	23.608	21.072	11820	26	15.985	25.210	11891	36	14.330	3.354
11605	11	10.910	14.760	11677	14	16.470	18.495	11749	26	0.692	22.539	11821	31	17.290	25.636	11892*	48	16.164	3.300
11606	28	11.524	14.568	11678	10	18.131	18.002	11750	17	2.186	22.229	11822*	44	18.608	25.074	11893	17	19.424	3.795
11607	23	13.092	14.369	11679	26	19.630	18.750	11751	25	3.444	22.510	11823	28	18.979	25.838	11894	32	19.850	3.872
11608	22	13.544	14.400	11680*	42	20.290	18.190	11752	26	6.774	22.338	11824	10	19.026	25.021	11895	18	23.529	3.878
11609	44	1.465	15.791	11681	39	22.532	18.248	11753	28	9.733	22.364	11825	12	22.335	25.279	11896	13	2.226	4.866
11610	10	3.024	15.276	11682	28	23.436	18.882	11754	25	10.675	22.285	11826	32	23.368	25.550	11897	12	6.094	4.770
11611	29	5.492	15.834	11683	45	23.588	18.750	11755	14	10.876	22.532	11827	16	24.328	25.497	11898	32	7.826	4.428
11612	10	5.670	15.454	11684	35	2.980	19.940	11756	10	12.194	22.547	11828	50	24.909	25.311	11899	33	9.745	4.084
11613	17	7.778	15.296	11685	35	2.996	19.876	11757	24	13.260	22.032	11829	25	25.130	25.050	11900	14	10.642	4.349
11614	14	8.560	15.234	11686	12	7.120	19.107	11758*	48	19.140	22.731	11830	24	25.210	25.780	11901	39	11.037	4.785
11615	29	8.672	15.625	11687*	62	7.900	19.674	11759	11	19.500	22.647					11902	25	11.114	4.294
11616	25	11.751	15.036	11688	29	10.536	19.668	11760	31	20.547	22.150					11903	40	14.214	4.024
11617	10	14.052	15.488	11689	29	10.547	19.914	11761	16	21.164	22.309					11904	35	14.442	4.595
11618	14	15.360	15.428	11690	10	10.970	19.706	11762	48	22.080	22.290					11905*	54	15.314	4.085
11619	17	16.820	15.306	11691	14	11.695	19.870	11763	28	23.430	22.477					11906*	120	7.385	5.545
11620	30	17.451	15.732	11692	15	11.744	19.365	11764	42	1.648	23.495					11907	37	8.091	5.476
11621	13	18.450	15.900	11693	11	11.831	19.924	11765	14	4.875	23.014					11908	37	8.100	5.266
11622	29	18.648	15.984	11694	15	13.650	19.356	11766	19	6.056	23.056					11909	14	8.275	5.777
11623	24	19.955	15.280	11695	14	15.229	19.700	11767	12	7.962	23.911					11910	19	8.874	5.023
11624	10	20.179	15.254	11696	32	15.608	19.350	11768	39	8.102	23.880					11911*	58	9.166	5.836
11625	11	21.895	15.116	11697	14	16.549	19.428	11769	22	8.556	23.842					11912	23	12.212	5.257
11626	30	0.862	16.557	11698	29	18.286	19.516	11770	13	10.274	23.850					11913	28	12.336	5.066
11627	33	0.896	16.843	11699	34	20.124	19.086	11771	15	12.752	23.396					11914	33	13.466	5.630
11628	14	3.114	16.740	11700	33	21.444	19.220	11772	36	13.701	23.926					11915*	98	13.498	5.898
11629	19	3.705	16.636	11701	10	22.190	19.957	11773	14	14.190	23.637					11916	34	15.878	5.004
11630	30	5.844	16.396	11702	10	22.710	19.326	11774	14	14.236	23.174					11917	31	18.613	5.492
11631	10	7.216	16.050	11703	36	24.334	19.360	11775*	65	14.640	23.208					11918	17	19.458	5.052
11632	25	8.119	16.595	11704	13	25.170	19.278	11776	10	16.109	23.124					11919	18	23.297	5.873
11633	23	9.830	16.459	11705	12	1.410	20.588	11777	30	16.512	23.300					11920*	30	24.940	5.674
11634	28	11.438	16.676	11706	30	2.068	20.174	11778	25	16.700	23.805					11921	17	3.736	6.636
11635	24	12.210	16.721	11707	10	4.150	20.101	11779	14	17.108	23.990					11922	18	4.410	6.814
11636	20	13.601	16.090	11708	28	4.484	20.145	11780	26	19.000	23.375					11923	20	4.660	6.774
11637	39	13.810	16.586	11709	26	10.638	20.291	11781	20	19.356	23.106					11924*	44	7.721	6.918
11638	20	14.682	16.152	11710	33	10.682	20.684	11782	29	20.176	23.030					11925	13	8.397	6.324
11639	28	16.228	16.821	11711	10	10.851	20.206	11783	13	20.494	23.860					11926	37	10.062	6.165
11640*	42	16.942	16.736	11712	23	11.120	20.275	11784	21	21.587	23.517					11927	16	10.210	6.645
11641	15	18.456	16.634	11713	32	12.915	20.432	11785*	61	21.999	23.518					11928	18	10.912	6.636
11642	26	20.057	16.990	11714	10	13.135	20.305	11786	25	22.671	23.760					11929	26	12.398	6.354
11643	30	21.929	16.438	11715	31	13.367	20.236	11787*	80	0.816	24.685					11930*	177	13.556	6.205
11644	28	2.086	17.222	11716	18	14.010	20.362	11788	32	2.474	24.106					11931*	76	14.522	6.966
11645	12	3.494	17.184	11717	20	14.910	20.294	11789	13	7.328	24.932					11932	36	14.622	6.036
11646	30	5.180	17.348	11718	24	15.130	20.860	11790	53	13.104	24.136					11933*	42	15.692	6.358
11647	9	5.182	17.299	11719	10	15.844	20.988	11791	24	13.793	24.710					11934	34	17.733	6.064
11648	26	6.845	17.216	11720	17	16.694	20.698	11792	34	15.599	24.940					11935	14	18.662	6.465
11649	25	10.043	17.835	11721	22	17.389	20.561	11793	25	15.603	24.976					11936	18	23.040	6.347
11650	13	10.460	17.615	11722	27	18.150	20.878	11794	24	16.467	24.020					11937*	62	24.319	6.691
11651	29	10.990	17.415	11723	10	18.800	20.171	11795	31	18.110	24.096					11938	21	1.084	7.752
11652	27	11.690	17.840	11724	28	19.556	20.396	11796	45	19.174	24.858					11939	30	3.844	7.643
11653	23	11.738	17.244	11725	40	21.715	20.190	11797	38	21.614	24.640					11940	15	5.560	7.902
11654	20	16.500	17.981	11726	10	22.072	20.574	11798	14	24.106	24.906					11941	15	8.106	7.054
11655	10	18.743	17.003	11727	26	22.100	20.136	11799	38	1.302	25.550					11942	14	9.276	7.932
11656	10	20.002	17.647	11728	36	25.000	20.040	11800	25	2.645	25.565					11943	15	10.106	7.050
11657	10	20.680	17.288	11729	27	2.066	21.308	11801	31	2.672	25.622					11944	16		

11950	21	16.418	7.850	12022	14	12.104	11.494	12094	38	20.342	17.764	12166	22	2.392	22.374	R.A. 5 ^h 48 ^m
11951	36	17.166	7.134	12023	12	14.244	11.428	12095	32	20.498	17.594	12167	30	5.402	22.174	
11952	13	22.765	7.522	12024	13	15.343	11.043	12096	17	20.816	17.920	12168	19	6.200	22.804	Plate 1893; 1921 Dec. 25.
11953	16	23.628	7.332	12025*	40	16.200	11.283	12097	17	22.000	17.496	12169*	51	9.032	22.659	
11954	18	25.883	7.844	12026	38	16.725	11.466	12098	37	1.441	18.154	12170	37	10.806	22.744	Provisional Constants.
11955*	78	2.540	8.899	12027	25	17.424	11.864	12099	23	2.355	18.776	12171	23	12.343	22.655	
11956	27	3.200	8.924	12028*	36	21.254	11.252	12100	41	2.500	18.644	12172	27	12.554	22.296	A B C
11957*	52	3.984	8.336	12029	14	24.923	11.418	12101	20	9.357	18.540	12173	36	13.290	22.196	
11958	22	5.421	8.554	12030	30	1.606	12.284	12102	37	10.632	18.986	12174	14	13.984	22.912	D E F
11959	20	5.784	8.278	12031	18	5.421	12.845	12103	22	12.034	18.864	12175	28	15.944	22.356	
11960	20	7.924	8.688	12032	13	5.790	12.378	12104	11	12.170	18.356	12176*	72	16.166	22.620	-01762 -00436 -3151
11961*	38	8.440	8.766	12033	28	6.552	12.420	12105	27	12.446	18.351	12177	18	17.050	22.183	
11962	22	10.407	8.204	12034	12	8.566	12.020	12106	12	12.456	18.372	12178	13	20.694	22.534	-00437 -01769 -1606
11963	34	13.306	8.888	12035	15	11.004	12.736	12107	38	13.436	18.484	12179*	48	23.114	22.264	
11964	15	16.046	8.095	12036	19	12.022	12.678	12108*	38	17.598	18.308	12180	38	23.778	22.364	Mag. = 16.1 - 0.96√d
11965	38	17.269	8.326	12037	15	14.234	12.846	12109*	42	19.716	18.144	12181	25	25.071	22.008	
11966	32	18.049	8.942	12038	21	17.345	12.956	12110*	42	19.924	18.744	12182*	48	0.966	23.428	No. d w y
11967*	53	19.522	8.245	12039	18	19.324	12.274	12111	13	22.694	18.836	12183	20	1.650	23.666	
11968	30	19.828	8.172	12040*	52	20.595	12.717	12112	37	0.367	19.140	12184	14	9.891	23.554	12251 20 1.134 0.260
11969	24	19.830	8.598	12041	23	21.773	12.936	12113	36	3.258	19.247	12185	18	9.950	23.554	12252 9 1.264 0.626
11970	16	21.762	8.084	12042*	58	24.974	12.655	12114	36	3.930	19.919	12186	21	11.774	23.806	12253 9 1.854 0.517
11971	16	23.854	8.840	12043	37	25.560	12.695	12115	17	4.096	19.156	12187	40	12.294	23.996	12254 10 2.670 0.396
11972	18	24.775	8.576	12044	23	1.102	13.751	12116	11	6.558	19.250	12188	17	12.462	23.016	12255 9 6.534 0.693
11973	24	24.952	8.869	12045*	59	2.838	13.469	12117	16	6.736	19.026	12189	16	13.884	23.474	12256 16 7.069 0.346
11974	16	25.408	8.543	12046	28	5.682	13.896	12118*	44	9.220	19.164	12190	35	15.276	23.955	12257 14 7.356 0.012
11975*	46	1.881	9.553	12047	23	9.714	13.803	12119	21	9.237	19.200	12191	34	16.850	23.218	12258 12 10.318 0.636
11976	34	3.138	9.362	12048	20	10.896	13.745	12120	15	9.280	19.478	12192	34	17.263	23.835	12259 11 11.075 0.272
11977	16	8.290	9.726	12049	14	19.293	13.600	12121	17	10.854	19.237	12193	54	19.381	23.628	12260 13 11.323 0.952
11978	17	9.840	9.035	12050	20	22.004	13.834	12122*	55	11.559	19.196	12194	12	21.440	23.118	12261 19 11.613 0.168
11979	16	11.284	9.153	12051	28	22.678	13.748	12123*	46	12.144	19.074	12195*	50	22.114	23.554	12262 8 11.874 0.004
11980*	39	11.772	9.086	12052*	50	7.448	14.392	12124	17	12.871	19.416	12196	17	24.056	23.224	12263 38 14.074 0.612
11981	23	13.084	9.656	12053	13	10.152	14.506	12125	28	13.854	19.925	12197	40	0.600	23.856	12264 10 15.261 0.614
11982	16	13.403	9.700	12054	17	11.868	14.939	12126	21	13.919	19.255	12198	16	3.100	24.556	12265 9 15.960 0.132
11983	17	13.575	9.544	12055	32	12.956	14.576	12127	11	14.909	19.760	12199	17	3.512	24.794	12266 8 18.675 0.616
11984	24	16.244	9.504	12056	15	13.015	14.764	12128	15	15.066	19.406	12200	30	4.124	24.964	12267 16 18.976 0.833
11985	18	18.288	9.197	12057	15	13.988	14.124	12129	20	17.006	19.556	12201	11	5.538	24.932	12268 10 19.207 0.344
11986	13	18.854	9.086	12058	18	15.040	14.294	12130	15	18.358	19.607	12202	18	6.128	24.778	12269 24 19.936 0.268
11987*	54	19.574	9.549	12059*	74	17.556	14.384	12131	16	20.766	19.523	12203	21	8.640	24.147	12270 8 21.638 0.835
11988	20	20.449	9.880	12060	23	17.846	14.366	12132	17	21.403	19.154	12204	18	9.772	24.976	12271 28 22.432 0.474
11989*	56	22.985	9.176	12061	37	20.660	14.051	12133	18	25.618	19.452	12205*	36	9.844	24.416	12272 8 23.732 0.607
11990	18	1.834	10.245	12062	17	22.004	14.209	12134	37	0.648	20.106	12206*	42	10.292	24.806	12273 9 24.256 0.810
11991	29	4.518	10.744	12063	18	23.900	14.590	12135	18	1.034	20.049	12207	34	10.715	24.806	12274 66 1.908 1.873
11992	21	4.586	10.995	12064	30	6.090	15.036	12136	18	2.554	20.965	12208	16	13.464	24.818	12275 66 3.785 1.872
11993	28	5.313	10.738	12065	37	7.139	15.235	12137	18	5.458	20.598	12209	18	13.750	24.266	12276 8 6.234 1.583
11994	26	5.372	10.125	12066	18	7.871	15.295	12138	25	5.728	20.121	12210	32	14.156	24.271	12277 28 7.102 1.640
11995	37	5.900	10.500	12067	20	9.005	15.688	12139	15	5.964	20.874	12211*	59	16.264	24.094	12278 10 7.254 1.392
11996	16	6.759	10.575	12068	11	10.074	15.066	12140	28	6.774	20.885	12212	18	17.825	24.094	12279 14 8.152 1.513
11997*	38	7.012	10.381	12069	17	13.546	15.556	12141	16	12.448	20.508	12213	26	18.272	24.775	12280 11 8.498 1.559
11998	17	7.516	10.884	12070	36	13.701	15.582	12142*	50	13.674	20.046	12214	17	20.206	24.202	12281 8 9.350 1.557
11999	21	7.980	10.726	12071	25	19.987	15.920	12143	38	14.911	20.183	12215*	74	22.260	24.628	12282 8 10.468 1.781
12000	26	8.094	10.034	12072	18	21.305	15.652	12144	12	15.182	20.541	12216*	34	23.542	24.524	12283 61 10.926 1.411
12001	31	10.944	10.282	12073	38	21.426	15.686	12145*	56	15.948	20.193	12217*	61	23.748	24.868	12284 31 12.355 1.539
12002*	56	11.466	10.260	12074	32	0.818	16.355	12146	37	17.422	20.106	12218	34	2.367	24.216	12285 18 13.552 1.182
12003	24	11.652	10.826	12075	16	7.682	16.700	12147	15	17.782	20.826	12219	16	3.326	24.530	12286 14 16.669 1.376
12004	15	11.959	10.834	12076	30	7.705	16.316	12148	11	18.044	20.144	12220	44	3.899	25.449	12287 14 18.528 1.069
12005	26	12.206	10.774	12077	27	7.770	16.960	12149*	77	18.524	20.328	12221	23	4.214	25.384	12288 20 23.984 1.294
12006*	50	12.434	10.554	12078	15	9.838	16.325	12150	26	23.355	20.678	12222	18	8.930	25.192	12289 20 24.283 1.901
12007*	39	14.172	10.686	12079	38	15.005	16.615	12151	34	23.871	20.438	12223	26	10.335	25.656	12290 15 24.305 1.896
12008*	57	14.452	10.988	12080	39	21.672	16.302	12152	15	0.600	21.745	12224	34	11.080	25.106	12291 8 0.048 2.892
12009*	36	14.604	10.741	12081	37	23.630	16.276	12153	46	0.695	21.094	12225	52	12.186	25.516	12292 20 1.328 2.832
12010	14	15.552	10.043	12082	17	24.936	16.414	12154	42	1.921	21.596	12226	40	12.548	25.588	12293 8 6.275 2.174
12011	15	17.384	10.424	12083	36	0.288	17.762	12155*	79	1.986	21.594	12227	16	12.556	25.153	12294 13 6.853 2.247
12012*	39	19.475	10.938	12084	40	7.135	17.057	12156	23	2.268	21.076	12228	39	12.970	25.434	12295 12 7.384 2.183
12013	14	19.625	10.200	12085	22	9.361	17.048	12157*	48	13.274	21.978	12229	26	13.806	25.145	12296 10 8.554 2.431
12014*	48	19.800	10.700	12086	26	9.410	17.651	12158	17	14.074	21.984	12230	13	13.860	25.095	12297 29 9.383 2.620
12015	23	20.556	10.928	12087	21	10.842	17.555	12159	39	14.611	21.909	12231	10	16.100	25.124	12298 8 10.265 2.783
12016	18	21.266	10.624	12088	28	12.100	17.865	12160	39	16.367	21.816	12232	27	18.635	25.	

12306	8	16.173	2.168	12378	14	23.784	4.048	12450	9	17.188	7.398	12522	14	19.257	9.816	12594	16	18.616	11.510
12307	10	16.656	2.590	12379	8	23.830	4.905	12451	8	19.264	7.606	12523	28	19.377	9.212	12595	8	18.902	11.092
12308	17	17.538	2.120	12380	10	23.975	4.513	12452	32	20.942	7.343	12524	18	20.502	9.977	12596	25	19.070	11.194
12309*	36	17.744	2.672	12381*	53	24.970	4.439	12453	15	22.012	7.072	12525	19	20.992	9.996	12597	9	20.472	11.578
12310	10	18.172	2.370	12382	9	25.048	4.701	12454	30	22.204	7.557	12526*	41	21.786	9.942	12598	8	21.737	11.516
12311	18	20.996	2.996	12383	10	1.426	5.486	12455	9	22.381	7.158	12527	43	22.664	9.850	12599	22	22.775	11.322
12312	10	21.006	2.518	12384	14	2.295	5.518	12456	13	22.424	7.472	12528	14	22.692	9.516	12600	24	22.800	11.590
12313*	40	22.460	2.424	12385	8	5.695	5.035	12457	13	22.620	7.426	12529	20	23.960	9.090	12601	8	24.776	11.844
12314	10	25.660	2.236	12386	13	8.366	5.958	12458	8	24.362	7.282	12530	17	24.410	9.311	12602	40	25.142	11.628
12315*	33	1.153	3.336	12387	8	9.618	5.058	12459	19	25.542	7.546	12531	20	25.999	9.716	12603	10	25.366	11.120
12316	12	1.158	3.575	12388	16	10.250	5.136	12460	16	25.585	7.247	12532	15	0.730	10.613	12604	10	0.354	12.032
12317	11	2.032	3.718	12389	9	11.306	5.537	12461	14	1.862	8.258	12533	8	3.733	10.763	12605	24	4.208	12.647
12318	18	2.987	3.114	12390	13	11.762	5.970	12462	25	2.730	8.958	12534	12	3.876	10.192	12606	14	5.476	12.494
12319	8	3.428	3.338	12391	32	13.016	5.982	12463	19	3.357	8.922	12535	11	3.883	10.444	12607	10	5.798	12.770
12320	33	4.877	3.310	12392	8	14.674	5.603	12464	21	3.828	8.216	12536	24	4.523	10.683	12608	10	6.176	12.317
12321*	51	5.406	3.848	12393	44	15.518	5.282	12465	8	4.917	8.362	12537	9	5.678	10.286	12609	8	6.237	12.551
12322*	48	5.438	3.143	12394*	65	15.628	5.392	12466	25	5.001	8.253	12538	20	5.820	10.074	12610*	119	6.314	12.623
12323	19	5.992	3.980	12395	15	17.466	5.468	12467	10	5.175	8.108	12539	14	6.600	10.956	12611	10	6.670	12.158
12324	8	6.498	3.360	12396	33	17.910	5.722	12468	31	6.408	8.660	12540	20	6.960	10.960	12612	24	6.979	12.817
12325	21	8.732	3.444	12397*	39	19.067	5.464	12469	19	9.346	8.782	12541	8	8.260	10.446	12613	10	8.277	12.610
12326*	47	9.254	3.608	12398*	39	20.522	5.801	12470	8	9.790	8.018	12542	20	8.666	10.672	12614	17	9.964	12.852
12327	23	9.480	3.238	12399	9	20.700	5.596	12471	29	10.146	8.550	12543	19	9.031	10.416	12615*	79	10.610	12.002
12328	16	10.217	3.688	12400	10	22.154	5.782	12472	18	10.811	8.517	12544*	49	9.838	10.222	12616	27	10.751	12.241
12329	9	10.620	3.607	12401	12	24.532	5.050	12473	19	11.591	8.876	12545	26	9.962	10.654	12617	39	11.168	12.306
12330*	38	10.730	3.240	12402	8	24.545	5.587	12474	20	13.474	8.178	12546	9	11.440	10.756	12618	35	11.210	12.850
12331	23	11.535	3.321	12403	10	0.930	6.114	12475	23	13.736	8.040	12547	8	11.476	10.837	12619	20	11.676	12.942
12332	8	16.542	3.086	12404	19	0.974	6.748	12476	20	14.030	8.441	12548	14	11.680	10.817	12620	18	11.734	12.338
12333	8	18.234	3.807	12405	17	1.224	6.270	12477	18	16.098	8.876	12549	29	11.856	10.104	12621	9	13.489	12.443
12334	20	20.236	3.772	12406	11	2.124	6.260	12478	8	16.180	8.650	12550	27	13.384	10.284	12622	15	15.194	12.847
12335	11	20.668	3.932	12407	11	2.132	6.304	12479	8	16.802	8.022	12551	10	14.026	10.215	12623	8	16.516	12.696
12336	10	22.460	3.732	12408*	26	2.866	6.054	12480	11	17.064	8.098	12552	28	14.200	10.623	12624	11	16.716	12.897
12337	26	22.824	3.792	12409	8	4.074	6.351	12481	8	17.343	8.839	12553	23	14.552	10.706	12625	10	18.652	12.274
12338	16	23.110	3.582	12410	30	5.122	6.484	12482	18	17.443	8.206	12554	15	15.220	10.120	12626	12	19.215	12.025
12339	9	24.671	3.373	12411	26	5.728	6.568	12483	14	17.608	8.012	12555	8	15.376	10.842	12627	13	19.444	12.903
12340	8	0.048	4.970	12412	11	6.128	6.021	12484	9	19.472	8.528	12556	10	15.694	10.201	12628	19	20.982	12.180
12341	9	0.420	4.244	12413	10	7.128	6.589	12485	8	19.862	8.608	12557	29	15.706	10.358	12629	28	21.130	12.668
12342	12	1.032	4.076	12414	12	7.656	6.848	12486	10	20.815	8.480	12558	8	18.342	10.400	12630	14	22.300	12.481
12343	23	1.442	4.276	12415	32	11.934	6.257	12487*	48	21.458	8.598	12559	25	19.260	10.140	12631	10	23.144	12.446
12344	8	1.710	4.025	12416	8	13.705	6.499	12488	25	23.092	8.042	12560*	50	19.416	10.834	12632	27	23.620	12.356
12345	8	1.824	4.571	12417	17	14.608	6.468	12489	10	23.106	8.900	12561	9	20.861	10.395	12633	14	23.630	12.408
12346	11	3.454	4.770	12418	13	14.734	6.476	12490*	56	23.884	8.590	12562	14	21.178	10.938	12634	18	25.204	12.514
12347*	34	4.028	4.472	12419	20	15.014	6.651	12491	8	24.108	8.802	12563	8	22.252	10.814	12635	9	25.894	12.406
12348*	18	4.240	4.063	12420	9	15.042	6.868	12492	28	24.944	8.930	12564	14	22.921	10.539	12636	9	0.561	13.972
12349	25	4.432	4.567	12421*	45	15.188	6.569	12493	15	25.527	8.848	12565*	78	23.500	10.841	12637*	47	2.957	13.036
12350	17	6.246	4.894	12422	18	17.228	6.222	12494*	48	0.937	9.576	12566	10	23.804	10.704	12638	33	3.550	13.071
12351	15	6.314	4.144	12423	13	19.050	6.568	12495	9	1.215	9.006	12567	16	24.700	10.873	12639	35	4.247	13.253
12352	15	6.632	4.590	12424	8	21.110	6.132	12496	8	1.357	9.486	12568	8	0.266	11.952	12640	9	4.315	13.192
12353	8	7.370	4.732	12425	14	21.255	6.990	12497	9	1.496	9.889	12569	19	2.904	11.803	12641	11	6.292	13.467
12354	8	7.395	4.107	12426	13	24.062	6.012	12498	16	1.811	9.232	12570	8	3.187	11.414	12642	10	6.417	13.783
12355	14	7.890	4.237	12427	33	24.202	6.286	12499	8	2.516	9.223	12571	11	3.522	11.906	12643	22	6.560	13.198
12356	19	8.550	4.452	12428	24	24.573	6.582	12500	26	2.907	9.250	12572	14	4.692	11.294	12644	13	6.698	13.798
12357	8	9.018	4.746	12429	20	24.888	6.695	12501	8	5.760	9.687	12573	8	5.642	11.143	12645	17	6.846	13.452
12358	14	9.532	4.108	12430	11	0.036	7.665	12502	9	6.466	9.353	12574	11	5.812	11.932	12646	9	7.044	13.363
12359	12	9.672	4.672	12431	11	0.707	7.922	12503	8	6.768	9.248	12575	10	6.103	11.621	12647	25	7.130	13.626
12360	10	11.085	4.297	12432	14	1.568	7.722	12504	40	7.172	9.651	12576	8	6.872	11.470	12648	20	7.972	13.248
12361	19	11.526	4.082	12433*	56	2.246	7.077	12505	10	7.429	9.767	12577	25	7.160	11.308	12649	9	11.334	13.528
12362	11	11.615	4.270	12434	18	4.325	7.103	12506	11	7.649	9.311	12578	16	8.150	11.802	12650	9	11.608	13.601
12363	8	13.620	4.507	12435	18	4.750	7.032	12507	22	8.125	9.847	12579	15	9.220	11.070	12651	9	12.086	13.663
12364	10	16.308	4.152	12436	19	6.092	7.250	12508	8	8.390	9.837	12580	25	9.822	11.992	12652	10	12.164	13.398
12365	31	16.370	4.820	12437*	57	7.856	7.833	12509	9	9.090	9.322	12581	19	9.828	11.653	12653	11	12.714	13.390
12366	18	17.007	4.554	12438	9	8.588	7.537	12510	10	9.314	9.639	12582	14	10.742	11.577	12654	8	13.216	13.058
12367	18	17.026	4.554	12439	23	9.166	7.040	12511	10	11.594	9.360	12583	26	10.888	11.378	12655	10	13.428	13.602
12368	10	18.370	4.250	12440	20	11.276	7.748	12512	10	11.876	9.720	12584	9	11.327	11.863	12656	11	13.622	13.788
12369	13	18.763	4.988	12441</															

12666	14	20.532	13.395	12738	27	16.707	15.990	12810	10	21.905	17.263	12882	8	6.786	20.102	12954	10	1.062	23.112
12667	22	20.888	13.747	12739	10	18.200	15.480	12811*	49	22.860	17.965	12883	12	7.693	20.634	12955	12	2.173	23.587
12668	16	21.617	13.904	12740	30	18.324	15.280	12812	8	23.174	17.420	12884	28	8.312	20.500	12956	16	3.333	23.050
12669	12	22.014	13.672	12741	17	18.457	15.606	12813	8	23.432	17.700	12885	9	8.354	20.562	12957	19	5.263	23.292
12670	29	25.016	13.983	12742	19	18.866	15.727	12814*	46	23.902	17.138	12886	21	8.626	20.448	12958	31	6.068	23.507
12671	19	0.004	14.240	12743	30	19.478	15.560	12815*	43	24.226	17.487	12887	24	9.412	20.322	12959	9	6.288	23.558
12672	14	0.006	14.614	12744	8	21.152	15.518	12816	8	25.484	17.130	12888	12	9.464	20.344	12960	18	6.637	23.942
12673	25	0.681	14.150	12745	9	22.042	15.145	12817	8	2.603	18.388	12889	24	9.636	20.353	12961	20	7.240	23.740
12674	19	1.906	14.980	12746	31	22.231	15.650	12818	13	3.832	18.877	12890	15	10.116	20.754	12962	26	7.663	23.076
12675	38	4.505	14.294	12747	12	22.286	15.050	12819	37	4.369	18.826	12891	37	10.367	20.066	12963	10	9.692	23.066
12676	10	5.308	14.613	12748	13	22.482	15.262	12820	10	4.896	18.759	12892	8	11.524	20.292	12964	20	10.336	23.587
12677	9	5.460	14.332	12749*	75	24.474	15.260	12821	10	5.603	18.504	12893	10	14.140	20.962	12965	8	11.525	23.908
12678	18	6.558	14.064	12750	10	25.758	15.806	12822	23	6.227	18.808	12894*	46	14.226	20.076	12966	49	12.085	23.229
12679	14	7.318	14.766	12751	33	1.653	16.669	12823	19	6.922	18.032	12895	9	15.594	20.400	12967	10	12.434	23.339
12680	19	7.363	14.138	12752	9	2.184	16.864	12824	10	7.464	18.728	12896	22	17.794	20.162	12968	8	13.212	23.335
12681	25	8.066	14.446	12753	15	2.963	16.789	12825	8	7.643	18.249	12897	26	20.852	20.272	12969	8	13.616	23.624
12682	14	8.444	14.860	12754	12	3.982	16.711	12826	16	7.895	18.352	12898	31	22.692	20.217	12970	31	13.786	23.693
12683	17	8.558	14.062	12755	9	4.998	16.710	12827	16	8.428	18.120	12899	10	23.608	20.876	12971	12	13.884	23.186
12684	9	9.296	14.583	12756	14	5.896	16.100	12828	28	9.127	18.937	12900	8	0.210	21.883	12972	21	15.464	23.626
12685	16	9.927	14.074	12757	9	6.856	16.057	12829	21	9.875	18.730	12901	21	1.422	21.076	12973	32	15.617	23.272
12686	9	9.974	14.446	12758	29	7.212	16.159	12830	25	9.893	18.624	12902	11	3.624	21.328	12974	14	16.558	23.527
12687	40	10.171	14.942	12759	28	7.263	16.682	12831	11	10.152	18.840	12903	8	5.348	21.466	12975	20	18.814	23.584
12688	11	10.321	14.148	12760	8	7.646	16.600	12832	34	10.336	18.200	12904	14	5.702	21.266	12976*	55	20.045	23.980
12689	24	10.342	14.515	12761	12	7.926	16.344	12833	12	11.235	18.873	12905	8	6.917	21.273	12977	25	24.685	23.312
12690	26	10.612	14.364	12762	13	8.670	16.170	12834	10	12.110	18.852	12906	25	9.867	21.810	12978	27	1.643	24.609
12691	9	10.764	14.810	12763	8	8.985	16.254	12835	12	12.977	18.035	12907	13	10.436	21.654	12979*	43	1.846	24.918
12692	18	11.160	14.594	12764	11	9.344	16.500	12836	19	13.103	18.790	12908	19	10.945	21.550	12980	18	2.156	24.244
12693	13	11.568	14.672	12765	26	9.366	16.743	12837	11	13.515	18.282	12909	10	11.256	21.860	12981	11	2.984	24.307
12694	8	12.242	14.978	12766	25	9.870	16.522	12838	8	13.554	18.282	12910	13	11.458	21.910	12982	35	5.888	24.344
12695	27	12.628	14.154	12767	20	10.198	16.752	12839	10	13.948	18.327	12911	10	11.659	21.680	12983	28	6.406	24.580
12696	21	13.778	14.888	12768	11	10.607	16.408	12840	38	15.772	18.498	12912	8	12.938	21.510	12984	15	6.586	24.698
12697	28	14.352	14.857	12769	30	11.095	16.088	12841	35	15.952	18.972	12913	20	13.754	21.146	12985	18	7.364	24.066
12698	13	14.380	14.314	12770	14	12.744	16.798	12842	10	16.080	18.097	12914	14	15.848	21.106	12986	21	8.246	24.177
12699	18	14.488	14.962	12771	11	13.046	16.974	12843	11	18.888	18.540	12915	15	16.088	21.130	12987	12	8.386	24.389
12700	15	15.385	14.086	12772*	44	13.472	16.058	12844	11	19.211	18.318	12916	8	16.914	21.624	12988	8	9.407	24.444
12701*	37	16.004	14.283	12773	37	13.568	16.640	12845	9	22.508	18.457	12917	31	18.546	21.464	12989	8	10.510	24.638
12702	8	16.040	14.893	12774	12	16.278	16.572	12846	16	22.805	18.390	12918	30	18.573	21.456	12990*	58	10.568	24.990
12703	8	16.518	14.764	12775	26	16.292	16.816	12847	9	22.846	18.465	12919	14	19.982	21.568	12991	9	10.594	24.355
12704*	47	17.294	14.753	12776	8	18.843	16.004	12848	8	23.342	18.720	12920*	53	22.226	21.373	12992	8	11.542	24.163
12705	16	17.847	14.054	12777	9	19.008	16.646	12849	22	25.020	18.539	12921	13	22.319	21.390	12993	33	11.830	24.904
12706	11	17.899	14.940	12778	8	19.990	16.662	12850	11	0.743	19.240	12922	15	22.516	21.840	12994	19	12.400	24.295
12707	8	18.544	14.141	12779	13	20.188	16.850	12851	8	1.281	19.140	12923	10	24.187	21.292	12995	33	13.162	24.268
12708	14	19.150	14.397	12780	9	20.405	16.367	12852	10	1.780	19.034	12924	18	24.734	21.203	12996	8	13.678	24.778
12709	8	19.734	14.885	12781	20	20.806	16.876	12853	22	3.674	19.823	12925	8	24.904	21.897	12997	10	14.920	24.636
12710	13	20.640	14.550	12782	12	21.592	16.602	12854	34	4.316	19.882	12926	8	25.462	21.372	12998	10	15.272	24.298
12711	8	20.975	14.644	12783	8	21.712	16.207	12855	38	4.634	19.631	12927	12	25.630	21.630	12999	8	15.692	24.160
12712	16	21.055	14.390	12784	8	22.095	16.589	12856	11	5.950	19.298	12928	10	25.656	21.785	13000	38	18.029	24.450
12713	25	21.280	14.758	12785	12	0.037	17.904	12857	8	6.468	19.166	12929*	44	1.190	22.661	13001	27	18.471	24.102
12714	8	21.404	14.150	12786	8	1.366	17.856	12858	10	8.254	19.292	12930	32	1.860	22.755	13002*	23	20.403	24.753
12715	10	21.718	14.262	12787	8	1.867	17.541	12859	8	9.290	19.818	12931	17	2.600	22.064	13003	8	21.114	24.846
12716	11	21.840	14.721	12788	32	4.882	17.290	12860	12	9.848	19.284	12932	23	3.150	22.385	13004	10	21.592	24.436
12717	28	24.056	14.606	12789	8	5.575	17.810	12861	19	10.824	19.919	12933*	68	4.138	22.560	13005	32	22.642	24.658
12718	8	0.538	15.411	12790	8	6.106	17.082	12862	14	11.356	19.029	12934	12	5.113	22.694	13006	8	23.694	24.499
12719	8	2.329	15.976	12791	28	6.133	17.998	12863	10	12.122	19.056	12935	14	5.981	22.220	13007	29	25.764	24.868
12720	10	3.871	15.537	12792	30	6.866	17.143	12864	32	13.464	19.156	12936	15	9.722	22.017	13008*	53	0.360	25.273
12721	11	7.028	15.786	12793	9	7.149	17.276	12865	18	13.894	19.053	12937	16	10.100	22.474	13009	8	0.557	25.880
12722	13	7.348	15.994	12794	42	8.775	17.414	12866	8	14.442	19.786	12938	20	11.194	22.650	13010	13	1.923	25.640
12723*	50	7.832	15.703	12795	16	9.578	17.638	12867	15	15.594	19.878	12939	8	11.813	22.072	13011*	46	4.630	25.329
12724	15	8.564	15.703	12796*	67	9.883	17.837	12868	9	18.910	19.806	12940	26	12.083	22.290	13012	18	5.622	25.436
12725*	45	8.584	15.691	12797	19	11.542	17.022	12869	31	19.022	19.230	12941	12	13.779	22.447	13013	14	5.814	25.009
12726	8	9.537	15.862	12798	14	12.073	17.454	12870	9	20.144	19.779	12942	11	14.658	22.270	13014	25	6.335	25.490
12727	9	9.870	15.722	12799	12	13.631	17.532	12871	19	20.287	19.747	12943	12	17.022	22.582	13015	12	6.418	25.179
12728	17	11.314	15.8																

13026	14	18.436	25.133	13092	35	23.400	1.510	13164	19	23.192	4.290	13236*	45	9.223	7.452	13308	27	18.315	9.298
13027	31	19.628	25.498	13093	21	24.114	1.784	13165	36	23.451	4.169	13237	28	9.371	7.014	13309	10	18.498	9.741
13028	10	22.255	25.532	13094*	43	0.595	2.326	13166	26	23.788	4.220	13238	23	9.535	7.564	13310	20	19.036	9.714
13029	8	23.210	25.550	13095	12	3.796	2.085	13167	23	2.255	5.887	13239	16	9.935	7.492	13311	12	20.321	9.694
13030	34	23.701	25.644	13096	15	4.306	2.381	13168	13	2.730	5.454	13240	10	11.022	7.064	13312	11	20.336	9.891
13031	52	23.824	25.560	13097	34	4.420	2.386	13169	10	4.528	5.870	13241	25	11.272	7.718	13313	11	20.603	9.284
13032	13	24.496	25.443	13098*	44	5.019	2.790	13170*	44	5.584	5.737	13242	12	13.314	7.453	13314*	50	20.710	9.223
				13099	20	6.518	2.701	13171	11	5.665	5.370	13243*	40	13.790	7.071	13315	32	21.430	9.402
				13100	28	6.965	2.100	13172	32	6.797	5.691	13244	15	14.321	7.986	13316	25	22.276	9.116
				13101	20	8.258	2.173	13173	38	7.162	5.470	13245	22	14.400	7.990	13317	10	22.354	9.792
				13102	25	8.541	2.029	13174	13	7.452	5.398	13246	28	14.406	7.160	13318	22	23.514	9.980
				13103*	44	9.738	2.490	13175	14	9.500	5.933	13247	12	16.951	7.370	13319	33	24.265	9.894
				13104	10	10.020	2.390	13176	11	10.962	5.625	13248	11	18.630	7.268	13320	20	1.184	10.432
				13105	13	12.254	2.939	13177	10	13.467	5.392	13249	13	19.174	7.646	13321*	82	1.757	10.724
				13106	13	12.350	2.779	13178	22	13.700	5.290	13250	20	19.940	7.930	13322	16	1.765	10.685
				13107	12	12.604	2.438	13179	32	15.356	5.334	13251	21	23.675	7.720	13323	13	2.070	10.584
				13108	26	13.800	2.186	13180	40	15.522	5.200	13252	36	24.435	7.429	13324	27	2.969	10.738
				13109	25	13.961	2.526	13181	24	16.000	5.977	13253	42	24.501	7.324	13325	19	3.637	10.974
				13110	11	15.810	2.475	13182	12	16.042	5.930	13254	12	25.330	7.152	13326	10	3.974	10.354
				13111	20	16.374	2.345	13183*	43	18.621	5.485	13255	30	25.338	7.401	13327	28	5.535	10.293
				13112	12	16.396	2.240	13184	31	18.890	5.855	13256	32	25.850	7.262	13328	27	8.038	10.690
				13113*	47	16.418	2.240	13185	13	19.086	5.592	13257	14	1.344	8.790	13329	16	8.894	10.950
				13114	11	16.829	2.650	13186	33	19.720	5.720	13258*	50	2.109	8.468	13330	22	10.440	10.792
				13115	27	17.464	2.791	13187	25	21.037	5.894	13259	28	2.200	8.969	13331	27	10.630	10.606
				13116*	40	17.826	2.208	13188	13	21.766	5.942	13260	32	3.180	8.791	13332	16	11.518	10.382
				13117	27	20.324	2.982	13189	26	23.372	5.206	13261	21	3.764	8.700	13333	32	12.040	10.042
				13118	10	21.679	2.372	13190	10	24.332	5.308	13262	22	4.622	8.138	13334	14	12.815	10.921
				13119*	36	23.108	2.041	13191	22	24.791	5.084	13263*	42	5.848	8.926	13335	24	13.976	10.680
				13120	11	23.115	2.819	13192	13	25.240	5.522	13264	26	8.078	8.546	13336	30	14.535	10.142
				13121	15	25.605	2.908	13193	17	0.220	6.980	13265	11	8.361	8.744	13337	10	14.780	10.253
				13122	11	0.620	3.632	13194	38	2.395	6.159	13266	28	9.193	8.039	13338	12	14.874	10.080
				13123	12	0.728	3.962	13195	32	2.774	6.450	13267*	43	10.026	8.116	13339	21	15.140	10.749
				13124	32	0.981	3.688	13196	26	3.092	6.558	13268	25	10.951	8.287	13340	38	15.445	10.824
				13125	23	1.266	3.474	13197	28	7.228	6.472	13269	13	11.236	8.090	13341	11	16.064	10.730
				13126*	64	1.500	3.972	13198	35	8.874	6.950	13270	24	12.308	8.064	13342	22	18.328	10.884
				13127	23	1.948	3.927	13199	11	9.432	6.444	13271	18	13.236	8.340	13343	29	18.978	10.272
				13128	11	2.824	3.236	13200*	40	9.680	6.166	13272	28	14.525	8.644	13344	18	19.167	10.266
				13129	10	4.436	3.759	13201	12	10.054	6.765	13273	31	14.664	8.718	13345	13	19.179	10.686
				13130*	42	5.000	3.070	13202	33	10.090	6.874	13274	15	14.694	8.394	13346	28	19.874	10.664
				13131	10	7.920	3.553	13203	23	10.598	6.394	13275	10	14.984	8.412	13347	22	21.452	10.594
				13132	21	10.478	3.185	13204	31	11.250	6.249	13276	10	15.544	8.480	13348*	45	21.486	10.090
				13133	31	13.605	3.760	13205	30	11.532	6.147	13277	25	15.668	8.314	13349	14	22.226	10.466
				13134	17	14.678	3.872	13206	24	12.838	6.308	13278*	43	18.468	8.980	13350	10	22.260	10.880
				13135	30	15.212	3.498	13207	21	14.528	6.790	13279*	41	18.974	8.902	13351	35	24.175	10.816
				13136	17	16.424	3.280	13208	10	14.588	6.892	13280	15	23.479	8.520	13352	28	24.448	10.636
				13137	37	16.990	3.761	13209	19	14.637	6.500	13281	20	24.732	8.480	13353	23	1.049	11.218
				13138*	39	19.600	3.860	13210	29	14.662	6.552	13282	12	24.739	8.812	13354	31	1.078	11.486
				13139	25	25.248	3.188	13211	23	14.748	6.921	13283*	44	0.034	9.852	13355	12	3.060	11.706
				13140	11	25.676	3.644	13212	19	15.160	6.336	13284	41	0.909	9.749	13356	44	3.415	11.485
				13141	42	0.068	4.298	13213*	44	15.948	6.575	13285	16	0.940	9.414	13357	27	6.308	11.658
				13142	11	1.378	4.404	13214	13	16.431	6.066	13286	29	2.652	9.180	13358	11	7.360	11.382
				13143	9	2.004	4.786	13215*	38	20.304	6.044	13287	31	4.251	9.560	13359	26	7.589	11.635
				13144	15	2.146	4.390	13216	9	21.135	6.973	13288	11	4.798	9.514	13360	38	7.976	11.077
				13145	20	2.710	4.917	13217	12	21.204	6.512	13289	19	6.028	9.467	13361	11	8.892	11.994
				13146*	47	3.129	4.302	13218	12	21.384	6.886	13290	12	6.089	9.540	13362	11	9.608	11.338
				13147	12	3.220	4.562	13219	16	22.698	6.338	13291	15	6.092	9.985	13363	12	9.974	11.381
				13148	12	7.585	4.250	13220	27	22.784	6.105	13292	26	7.251	9.464	13364	16	10.134	11.369
				13149	28	7.684	4.714	13221*	42	23.335	6.428	13293	22	7.956	9.958	13365	15	10.482	11.957
				13150	13	9.622	4.486	13222	29	24.385	6.718	13294	17	8.038	9.645	13366	15	10.909	11.516
				13151	12	10.257	4.642	13223	17	25.191	6.290	13295	23	9.180	9.934	13367	31	14.550	11.508
				13152	39	10.368	4.040	13224	33	0.418	7.463	13296	18	11.178	9.760	13368	13	15.810	11.069
				13153	17	11.025	4.825	13225	20	0.640	7.375	13297	13	11.222	9.140	13369	31	16.470	11.079
				13154	10	11.714	4.534	13226	18	0.835	7.326	13298	41	11.788	9.700	13370	10	16.987	11.371
				13155	12	12.552	4.162	13227	31	1.314	7.932	13299	19	11.870	9.574	13371	12	17.312	11.061
				13156	21	12.715	4.240	13228	10	2.572	7.150	13300	26	12.248	9.303	13372	32	17.480	11.205
				13157	28	14.354	4.4												

13380	31	22.810	11.113	13452	19	15.218	14.028	13524	35	4.693	17.502	13596	36	1.108	20.113	13668*	40	23.200	22.218
13381	26	23.780	11.398	13453	20	15.486	14.082	13525	28	4.955	17.784	13597	27	4.702	20.631	13669	12	23.249	22.308
13382	20	24.094	11.300	13454	26	15.783	14.154	13526	11	5.304	17.140	13598	32	6.174	20.167	13670	20	24.015	22.074
13383	24	24.260	11.390	13455	33	15.805	14.608	13527	14	5.362	17.440	13599	22	7.773	20.494	13671	33	3.151	23.176
13384	20	24.429	11.840	13456	30	17.012	14.800	13528	12	8.744	17.545	13600	12	8.670	20.996	13672	10	5.939	23.109
13385	27	24.671	11.784	13457	20	17.219	14.180	13529	17	10.500	17.134	13601	10	8.956	20.728	13673	36	7.226	23.238
13386	14	25.746	11.616	13458	13	17.536	14.300	13530	18	10.509	17.524	13602	10	9.322	20.050	13674	28	8.556	23.569
13387	19	0.592	12.384	13459	10	18.878	14.066	13531	17	11.330	17.696	13603	18	9.808	20.439	13675	36	9.660	23.106
13388	12	1.436	12.336	13460*	49	20.246	14.862	13532	12	11.681	17.274	13604*	44	11.000	20.684	13676	37	11.826	23.468
13389	36	1.910	12.238	13461	22	20.446	14.836	13533	31	12.290	17.916	13605	29	12.645	20.148	13677	27	12.030	23.711
13390	25	1.921	12.290	13462	13	20.814	14.394	13534	18	13.640	17.124	13606	30	13.369	20.880	13678*	45	14.185	23.240
13391	27	3.499	12.370	13463	10	21.658	14.470	13535	13	14.955	17.200	13607	39	18.235	20.742	13679	10	14.210	23.802
13392	19	4.186	12.250	13464	15	23.781	14.396	13536	27	17.674	17.909	13608	26	18.264	20.688	13680	28	15.850	23.521
13393	15	4.524	12.400	13465	29	25.958	14.402	13537	13	18.280	17.604	13609	20	18.358	20.390	13681	17	16.985	23.080
13394	34	4.638	12.251	13466	10	0.379	15.051	13538	34	18.842	17.482	13610	37	19.495	20.970	13682*	39	17.706	23.326
13395*	37	7.035	12.620	13467	35	0.574	15.554	13539	34	19.660	17.343	13611	17	19.506	20.860	13683	10	18.163	23.478
13396	29	8.012	12.764	13468	17	0.820	15.162	13540	33	22.865	17.480	13612*	48	0.653	21.276	13684	10	20.030	23.730
13397	28	8.335	12.650	13469*	68	2.801	15.129	13541	28	23.680	17.890	13613	15	0.756	21.291	13685	30	21.484	23.074
13398	41	8.895	12.514	13470	18	4.105	15.651	13542	10	0.896	18.358	13614	17	0.961	21.740	13686	15	22.010	23.004
13399	23	9.146	12.232	13471	26	6.428	15.989	13543	17	1.198	18.284	13615	18	2.624	21.163	13687	26	23.977	23.194
13400	33	9.184	12.223	13472	41	7.594	15.013	13544	10	1.235	18.359	13616	24	3.166	21.068	13688	34	1.134	24.556
13401	31	9.255	12.097	13473	24	7.601	15.730	13545	11	1.734	18.606	13617	15	3.900	21.226	13689*	36	4.257	24.714
13402	16	9.770	12.831	13474	46	7.666	15.324	13546	30	3.410	18.398	13618	18	4.070	21.480	13690	13	6.190	24.146
13403*	42	10.240	12.430	13475	21	11.785	15.072	13547	11	3.945	18.188	13619	15	4.100	21.634	13691	18	6.286	24.162
13404	25	10.702	12.972	13476	25	11.972	15.959	13548	26	4.522	18.848	13620*	44	4.846	21.614	13692	10	7.650	24.646
13405	28	10.795	12.428	13477	20	12.679	15.461	13549	16	4.690	18.805	13621	30	5.284	21.396	13693	13	9.705	24.639
13406	11	12.870	12.511	13478	16	13.360	15.260	13550	18	4.978	18.998	13622	21	6.018	21.228	13694	10	10.516	24.591
13407	12	13.314	12.173	13479	12	13.361	15.430	13551	37	5.741	18.130	13623	32	6.902	21.662	13695	35	11.216	24.039
13408	10	13.461	12.120	13480	20	13.477	15.012	13552	20	7.697	18.723	13624*	44	7.229	21.838	13696	12	11.414	24.016
13409	12	14.251	12.406	13481	10	15.602	15.418	13553	33	7.919	18.872	13625	33	8.530	21.218	13697	25	11.630	24.380
13410	9	14.600	12.982	13482	17	16.593	15.406	13554	15	9.376	18.446	13626	19	8.909	21.540	13698	14	12.762	24.111
13411	10	16.563	12.140	13483	16	17.632	15.283	13555	16	9.726	18.129	13627	37	10.350	21.059	13699	25	15.722	24.866
13412	12	18.980	12.736	13484	15	21.832	15.565	13556	15	9.786	18.456	13628	35	10.400	21.627	13700	30	17.102	24.630
13413	18	19.460	12.618	13485	15	21.890	15.425	13557	18	9.970	18.873	13629	17	10.526	21.290	13701	28	18.479	24.611
13414	20	19.984	12.852	13486	28	25.785	15.712	13558	26	10.436	18.702	13630	31	11.088	21.782	13702	11	19.032	24.130
13415	12	22.892	12.992	13487	16	4.426	16.678	13559	35	10.566	18.092	13631	13	11.428	21.502	13703	22	20.992	24.682
13416	12	24.470	12.854	13488	26	5.304	16.776	13560	15	10.838	18.436	13632	12	11.431	21.528	13704	12	21.246	24.406
13417	14	25.043	12.550	13489	25	6.568	16.654	13561	11	10.865	18.478	13633	19	12.307	21.500	13705	40	2.206	25.524
13418	17	0.326	13.580	13490	15	7.000	16.184	13562	21	11.140	18.120	13634	22	13.232	21.160	13706	49	2.320	25.438
13419	37	3.332	13.842	13491	22	7.174	16.396	13563	24	11.366	18.529	13635	20	13.495	21.118	13707	21	3.000	25.310
13420	13	5.542	13.267	13492	14	7.481	16.164	13564	17	12.696	18.630	13636	11	13.980	21.472	13708	28	5.830	25.414
13421	21	6.786	13.018	13493	23	8.100	16.424	13565	14	15.014	18.099	13637	14	14.381	21.598	13709	28	10.302	25.481
13422	25	7.642	13.198	13494	18	8.200	16.354	13566	16	15.562	18.098	13638	29	14.665	21.795	13710	14	10.382	25.060
13423	33	8.104	13.068	13495	15	8.692	16.434	13567	17	16.858	18.074	13639	36	15.426	21.000	13711	36	10.670	25.188
13424	19	12.442	13.780	13496	18	9.490	16.200	13568	24	19.270	18.240	13640	28	16.410	21.066	13712	11	11.955	25.332
13425	12	12.835	13.900	13497	14	11.333	16.160	13569	11	21.422	18.266	13641	12	17.984	21.250	13713	26	12.394	25.330
13426	11	14.776	13.134	13498	33	12.190	16.102	13570	27	22.920	18.418	13642	36	19.344	21.579	13714	29	13.728	25.482
13427	12	19.745	13.992	13499	14	12.894	16.972	13571	33	23.384	18.652	13643	18	19.911	21.764	13715	12	14.084	25.726
13428	10	20.220	13.306	13500	35	13.204	16.560	13572	40	0.535	19.558	13644	31	20.211	21.197	13716	55	15.180	25.258
13429	41	20.930	13.761	13501	23	13.535	16.520	13573	14	0.629	19.272	13645	22	21.157	21.020	13717	22	15.638	25.326
13430*	46	22.629	13.884	13502	20	13.766	16.096	13574	25	0.877	19.512	13646	24	22.612	21.390	13718	10	15.769	25.412
13431	25	24.899	13.146	13503	12	14.290	16.447	13575	26	1.822	19.186	13647	14	23.227	21.409	13719	14	19.332	25.540
13432	12	25.198	13.770	13504	33	14.890	16.290	13576	21	5.348	19.943	13648	32	23.242	21.949	13720	18	19.424	25.323
13433	22	25.380	13.294	13505	25	15.137	16.566	13577	17	5.430	19.332	13649	16	23.490	21.425	13721	13	19.705	25.052
13434	9	0.040	14.173	13506	18	16.866	16.583	13578	10	5.760	19.796	13650	40	24.584	21.840	13722	25	19.808	25.280
13435	10	0.170	14.632	13507	11	18.458	16.555	13579	23	7.118	19.386	13651	24	25.622	21.055	13723	27	21.608	25.234
13436	17	0.618	14.954	13508	37	18.554	16.800	13580	12	7.160	19.365	13652	40	25.996	21.428	13724	32	22.102	25.133
13437	35	2.382	14.480	13509*	38	19.094	16.310	13581	26	7.248	19.080	13653	14	2.132	22.166				
13438	33	4.730	14.755	13510	21	19.758	16.052	13582	24	7.926	19.198	13654*	35	3.014	22.282				
13439	15	5.446	14.669	13511	13	20.376	16.250	13583	22	8.620	19.444	13655	16	3.565	22.724				
13440	17	5.488	14.097	13512	29	20.538	16.787	13584	36	8.911	19.755	13656	17	5.616	22.510				
13441	39	7.665	14.514	13513	20	21.136	16.152	13585	21	10.123	19.286	13657	10	7.844	22.294				
13442	31	7.938	14.636	13514	22	22.532	16.313												

R.A. 6^h 4^m

Plate 1894; 1921 Dec. 25.

Provisional Constants.

A	B	C
-01752	+00416	-4083

D	E	F
-00439	-01765	-3465

Mag. = 16.8 - 0.96√d

No.	d	x	y	13821	18	23.981	2.810	13893	60	20.363	5.200	13965	14	5.023	8.481	14037	23	18.250	10.034
13751	27	1.046	0.576	13822	29	24.588	2.722	13894	12	21.627	5.721	13966	14	5.136	8.168	14038	41	19.182	10.137
13752	22	4.088	0.902	13823	10	2.886	3.675	13895	15	22.986	5.775	13967	21	6.090	8.718	14039	10	20.374	10.110
13753	23	4.750	0.236	13824	36	3.349	3.334	13896	34	23.268	5.199	13968	40	6.102	8.661	14040	80	20.658	10.080
13754	27	5.560	0.514	13825	23	3.706	3.050	13897	25	24.384	5.798	13969	60	6.484	8.187	14041	34	20.975	10.466
13755	13	6.827	0.631	13826	20	3.784	3.786	13898	22	25.929	5.160	13970	14	6.892	8.829	14042	17	21.231	10.378
13756	31	8.812	0.168	13827	20	8.682	3.156	13899	18	0.831	6.514	13971	18	10.288	8.646	14043	60	21.850	10.884
13757	17	9.922	0.740	13828	26	9.055	3.949	13900	29	0.918	6.281	13972	12	10.358	8.925	14044	13	23.056	10.461
13758	14	12.548	0.182	13829	60	9.674	3.600	13901	56	1.462	6.600	13973	10	10.490	8.726	14045	43	0.348	11.643
13759	11	12.696	0.083	13830	46	9.676	3.644	13902	13	2.388	6.502	13974	10	12.576	8.620	14046	32	0.997	11.288
13760	30	13.172	0.154	13831	27	12.782	3.966	13903	42	2.520	6.874	13975	30	13.479	8.868	14047	29	1.970	11.562
13761	31	14.760	0.838	13832	26	17.304	3.028	13904	27	3.324	6.438	13976	11	13.586	8.800	14048	25	2.284	11.460
13762	71	16.368	0.540	13833	10	18.781	3.776	13905	33	4.744	6.304	13977	10	14.237	8.128	14049	29	2.450	11.551
13763	35	17.316	0.720	13834	26	22.190	3.002	13906	15	6.849	6.429	13978	13	15.875	8.056	14050	22	2.624	11.998
13764	29	17.362	0.628	13835	46	22.787	3.015	13907	12	6.918	6.104	13979	12	17.800	8.562	14051	32	2.866	11.938
13765	33	18.492	0.050	13836	23	25.515	3.425	13908	21	7.586	6.716	13980	33	19.271	8.908	14052	14	2.971	11.764
13766	12	20.994	0.320	13837	62	0.790	4.314	13909	24	7.626	6.670	13981	31	19.432	8.300	14053	11	3.666	11.290
13767	66	22.909	0.561	13838	20	1.305	4.462	13910	44	7.841	6.366	13982	29	22.080	8.140	14054	19	3.940	11.759
13768	24	24.477	0.670	13839	51	1.560	4.335	13911	16	8.000	6.876	13983	18	24.708	8.076	14055	17	4.278	11.204
13769	70	24.950	0.592	13840	33	1.900	4.384	13912	14	8.414	6.334	13984	31	25.696	8.100	14056	26	4.680	11.162
13770	27	25.438	0.876	13841	46	4.792	4.096	13913	29	8.630	6.838	13985	28	0.441	9.300	14057	31	5.249	11.190
13771	10	0.928	1.600	13842	28	5.170	4.332	13914	26	9.535	6.614	13986	10	0.530	9.972	14058	10	5.706	11.950
13772	51	1.480	1.679	13843	13	6.550	4.588	13915	27	10.348	6.334	13987	38	4.369	9.422	14059	26	5.885	11.840
13773	26	2.200	1.944	13844	11	8.608	4.857	13916	66	11.700	6.025	13988	10	4.945	9.932	14060	20	7.522	11.411
13774	36	5.682	1.432	13845	18	9.626	4.472	13917	45	13.850	6.312	13989	26	5.348	9.666	14061	32	7.890	11.445
13775	19	5.997	1.507	13846	26	11.892	4.888	13918	27	14.940	6.535	13990	30	5.602	9.883	14062	28	8.014	11.301
13776	57	6.167	1.805	13847	37	12.680	4.782	13919	10	15.136	6.392	13991	18	6.188	9.991	14063	11	8.570	11.916
13777	16	6.766	1.876	13848	26	13.785	4.786	13920	33	15.901	6.216	13992	15	6.312	9.880	14064	14	8.830	11.134
13778	27	7.442	1.543	13849	73	16.240	4.030	13921	32	16.136	6.490	13993	26	6.756	9.168	14065	50	9.545	11.964
13779	65	8.914	1.568	13850	10	16.504	4.964	13922	24	16.386	6.981	13994	13	6.837	9.530	14066	30	9.702	11.420
13780	32	9.476	1.682	13851	27	17.926	4.762	13923	26	16.702	6.021	13995	22	7.136	9.488	14067	16	10.710	11.868
13781	11	9.544	1.450	13852	70	18.794	4.594	13924	40	16.900	6.612	13996	17	7.450	9.938	14068	26	11.418	11.887
13782	28	10.892	1.957	13853	34	20.100	4.670	13925	32	17.738	6.536	13997	49	9.453	9.018	14069	14	12.415	11.703
13783	57	11.002	1.776	13854	45	20.236	4.724	13926	43	18.960	6.860	13998	18	9.679	9.916	14070	33	12.641	11.418
13784	12	11.349	1.140	13855	15	21.087	4.063	13927	33	21.255	6.325	13999	41	10.639	9.011	14071	31	13.238	11.512
13785	34	12.412	1.412	13856	10	21.564	4.652	13928	80	24.230	6.896	14000	10	11.430	9.890	14072	15	14.090	11.048
13786	17	12.964	1.946	13857	10	21.693	4.878	13929	10	25.387	6.500	14001	47	12.346	9.744	14073	12	16.274	11.976
13787	13	13.627	1.572	13858	30	22.120	4.842	13930	21	25.553	6.190	14002	17	13.202	9.030	14074	10	16.308	11.526
13788	15	15.482	1.684	13859	83	24.223	4.758	13931	24	1.824	7.886	14003	30	13.480	9.606	14075	28	17.438	11.023
13789	38	16.000	1.846	13860	13	24.361	4.910	13932	44	2.578	7.584	14004	11	13.850	9.443	14076	11	17.574	11.614
13790	30	16.362	1.050	13861	29	1.494	5.374	13933	49	2.641	7.480	14005	16	15.378	9.513	14077	14	18.345	11.850
13791	78	16.426	1.764	13862	11	2.456	5.465	13934	21	3.474	7.300	14006	23	16.192	9.160	14078	35	19.490	11.912
13792	12	16.542	1.251	13863	12	2.806	5.408	13935	37	3.482	7.548	14007	132	16.777	9.500	14079	10	20.278	11.810
13793	26	16.805	1.406	13864	32	2.911	5.238	13936	40	3.994	7.404	14008	25	18.360	9.010	14080	14	22.532	11.852
13794	27	17.146	1.392	13865	16	3.368	5.670	13937	10	4.139	7.930	14009	13	18.382	9.701	14081	30	22.640	11.550
13795	37	18.146	1.114	13866	23	4.802	5.924	13938	16	4.794	7.594	14010	23	19.798	9.390	14082	16	23.004	11.950
13796	13	19.325	1.912	13867	30	4.857	5.671	13939	31	5.131	7.750	14011	23	21.040	9.758	14083	13	0.780	12.827
13797	73	19.466	1.336	13868	11	4.918	5.450	13940	13	5.210	7.238	14012	43	21.905	9.080	14084	18	3.246	12.700
13798	45	22.118	1.504	13869	26	5.445	5.132	13941	33	5.358	7.080	14013	63	22.192	9.770	14085	13	3.658	12.805
13799	27	23.702	1.296	13870	43	5.760	5.344	13942	10	5.780	7.735	14014	53	22.218	9.048	14086	11	3.714	12.116
13800	26	24.532	1.325	13871	32	6.375	5.264	13943	24	7.924	7.380	14015	13	23.120	9.457	14087	14	4.153	12.592
13801	14	25.452	1.522	13872	76	8.338	5.230	13944	35	8.452	7.190	14016	13	23.894	9.861	14088	34	6.964	12.772
13802	44	25.692	1.874	13873	32	8.994	5.62												

14094	16	9.086	12.342	14166	16	1.126	15.600	14238	26	14.983	17.850	14310	35	16.709	20.718	14382	13	10.105	23.233
14095	10	9.293	12.130	14167	32	4.024	15.854	14239	13	15.773	17.558	14311	28	17.149	20.844	14383	34	12.812	23.704
14096	31	9.990	12.260	14168	33	5.656	15.684	14240	24	15.844	17.192	14312	46	17.370	20.244	14384	12	13.464	23.226
14097	29	11.150	12.773	14169	14	8.084	15.355	14241	10	16.009	17.010	14313*	59	18.011	20.916	14385*	51	13.790	23.278
14098	26	11.467	12.956	14170	56	8.546	15.722	14242	23	16.510	17.826	14314	54	18.920	20.850	14386	12	14.060	23.798
14099	27	12.534	12.976	14171	26	8.606	15.434	14243	15	18.366	17.570	14315*	52	19.690	20.014	14387	24	14.210	23.646
14100	14	14.922	12.340	14172	16	9.926	15.584	14244	12	18.538	17.195	14316	14	23.144	20.988	14388	12	15.572	23.130
14101	19	15.638	12.546	14173	17	10.286	15.300	14245	10	20.841	17.169	14317	26	0.918	21.566	14389	13	16.466	23.640
14102	32	16.330	12.018	14174	17	10.790	15.380	14246	16	23.416	17.694	14318	13	1.532	21.580	14390	12	16.708	23.784
14103	17	16.792	12.792	14175	28	11.076	15.374	14247	12	24.088	17.886	14319	17	1.800	21.594	14391	32	17.462	23.911
14104	13	16.936	12.353	14176	14	11.847	15.240	14248	55	24.226	17.630	14320	53	2.890	21.995	14392	19	18.801	23.282
14105	10	16.946	12.304	14177	15	13.057	15.828	14249	15	24.874	17.645	14321	33	3.924	21.200	14393	28	19.000	23.089
14106	27	17.114	12.634	14178	10	16.084	15.066	14250	10	25.735	17.338	14322	10	4.204	21.566	14394	29	19.250	23.964
14107	34	19.776	12.686	14179	15	16.283	15.987	14251	31	1.190	18.590	14323*	53	4.300	21.570	14395	37	19.974	23.038
14108	38	23.128	12.360	14180	13	16.459	15.520	14252	34	1.658	18.822	14324	32	6.654	21.802	14396	21	21.098	23.040
14109	13	24.318	12.080	14181*	44	16.540	15.802	14253	31	1.944	18.056	14325	17	6.681	21.680	14397	11	21.188	23.721
14110	31	24.765	12.325	14182	19	16.782	15.016	14254	11	4.218	18.118	14326	18	7.268	21.562	14398	21	22.423	23.416
14111	18	2.676	13.010	14183	12	16.944	15.730	14255	44	4.872	18.316	14327	12	9.708	21.330	14399	25	23.392	23.040
14112	28	3.110	13.300	14184	39	18.868	15.619	14256*	68	8.387	18.649	14328	46	10.080	21.697	14400	15	23.698	23.388
14113	15	3.416	13.920	14185	16	19.700	15.398	14257	32	8.608	18.530	14329	10	10.230	21.645	14401	75	25.910	23.774
14114	28	3.592	13.442	14186	10	19.770	15.178	14258	24	8.760	18.871	14330	10	11.152	21.380	14402	35	6.422	24.686
14115	15	4.715	13.386	14187	14	21.420	15.110	14259	15	9.564	18.314	14331	30	11.321	21.748	14403	22	6.522	24.720
14116	26	5.232	13.048	14188	13	22.808	15.602	14260*	55	9.730	18.288	14332	31	12.466	21.608	14404	43	6.996	24.593
14117	28	5.297	13.772	14189	19	23.200	15.187	14261	26	9.736	18.880	14333	10	13.348	21.098	14405	24	9.183	24.820
14118	25	6.373	13.304	14190	30	24.712	15.100	14262	32	11.734	18.484	14334*	65	14.222	21.334	14406	35	10.166	24.325
14119	25	6.910	13.485	14191	47	25.283	15.135	14263	24	12.080	18.120	14335	16	14.792	21.645	14407	13	10.650	24.837
14120	28	7.248	13.188	14192	23	0.779	16.492	14264	28	14.137	18.126	14336*	54	18.134	21.411	14408	30	11.100	24.572
14121*	146	7.993	13.578	14193	20	1.050	16.868	14265	43	14.298	18.110	14337	13	18.256	21.218	14409	18	11.102	24.238
14122	35	8.134	13.531	14194	22	1.340	16.790	14266	11	15.715	18.890	14338	18	18.770	21.134	14410	11	12.023	24.486
14123	24	8.726	13.900	14195	15	1.862	16.705	14267*	60	15.925	18.822	14339	11	19.546	21.616	14411*	66	13.332	24.107
14124*	98	8.868	13.363	14196	44	5.094	16.890	14268	17	16.372	18.231	14340	11	20.842	21.235	14412	18	13.397	24.187
14125	13	8.924	13.393	14197	40	6.970	16.074	14269	31	16.435	18.046	14341*	82	21.591	21.330	14413	27	20.338	24.362
14126	10	8.940	13.915	14198	19	7.194	16.528	14270	31	16.633	18.586	14342	33	23.009	21.216	14414	38	23.530	24.128
14127	38	8.969	13.348	14199	29	7.600	16.104	14271	19	16.672	18.105	14343	13	23.530	21.617	14415	15	23.625	24.773
14128	28	9.117	13.270	14200	39	7.674	16.365	14272	12	17.381	18.980	14344*	53	1.510	22.388	14416	32	0.451	25.315
14129	29	10.394	13.614	14201	13	8.964	16.393	14273	24	18.002	18.600	14345	40	1.551	22.120	14417	11	4.317	25.046
14130	12	10.916	13.532	14202	25	9.014	16.693	14274	31	18.299	18.704	14346	13	1.566	22.480	14418	53	4.564	25.020
14131	49	11.174	13.013	14203	15	10.152	16.726	14275	12	18.921	18.924	14347	23	2.329	22.237	14419	29	4.825	25.230
14132	26	12.067	13.415	14204	13	10.180	16.740	14276	34	22.809	18.356	14348	31	6.640	22.944	14420	14	6.814	25.998
14133	24	13.156	13.206	14205	27	10.657	16.784	14277	11	23.246	18.935	14349	12	7.265	22.360	14421	50	8.501	25.591
14134	21	13.242	13.942	14206	15	11.336	16.247	14278	17	23.304	18.042	14350	12	9.558	22.822	14422	23	8.586	25.942
14135	40	13.796	13.528	14207	21	11.495	16.260	14279	23	23.730	18.120	14351	18	11.083	22.816	14423	60	8.730	25.970
14136	28	15.282	13.413	14208	27	13.940	16.255	14280	10	24.152	18.525	14352	26	12.460	22.894	14424	57	9.247	25.874
14137	32	15.522	13.800	14209	11	14.210	16.376	14281	49	24.700	18.990	14353	11	12.510	22.122	14425	15	10.168	25.570
14138	29	16.340	13.014	14210	44	14.790	16.530	14282	60	24.800	18.928	14354	13	13.672	22.960	14426	43	11.366	25.946
14139	26	17.680	13.764	14211	31	14.883	16.816	14283	30	25.966	18.688	14355	22	14.300	22.080	14427	16	11.549	25.180
14140	12	23.636	13.542	14212	12	16.750	16.855	14284	30	5.015	19.198	14356	28	14.360	22.290	14428	46	15.260	25.717
14141	49	24.415	13.645	14213	16	17.385	16.626	14285	12	5.020	19.980	14357*	54	15.921	22.256	14429	47	20.190	25.945
14142*	62	0.840	14.060	14214	12	17.910	16.325	14286	21	6.282	19.424	14358	32	17.522	22.736	14430	55	21.532	25.996
14143	21	2.006	14.560	14215	11	17.954	16.488	14287	18	9.450	19.570	14359	14	19.450	22.404	14431	28	21.872	25.888
14144	11	3.040	14.952	14216	35	18.200	16.888	14288	16	10.445	19.365	14360	24	20.026	22.842	14432	53	24.708	25.622
14145	38	4.181	14.544	14217	15	18.216	16.342	14289	16	10.845	19.614	14361	27	20.134	22.344				
14146	32	4.973	14.226	14218	24	18.430	16.975	14290	29	11.279	19.475	14362*	51	20.272	22.220				
14147	29	6.595	14.354	14219	43	19.570	16.658	14291*	54	11.920	19.515	14363	17	20.510	22.226				
14148	15	6.846	14.678	14220	14	19.808	16.408	14292	10	12.460	19.600	14364	20	20.840	22.758				
14149	13	7.828	14.730	14221	27	20.506	16.307	14293	11	16.545	19.336	14365	14	21.278	22.374				
14150	14	10.999	14.507	14222	12	21.980	16.047	14294	15	16.550	19.186	14366	19	22.761	22.778				
14151	32	12.516	14.346	14223	27	21.990	16.054	14295	34	16.752	19.498	14367	20	23.440	22.250				
14152*	39	12.990	14.294	14224	24	24.238	16.342	14296	33	18.280	19.324	14368	20	23.441	22.654				
14153	33	13.701	14.182	14225	51	25.054	16.265	14297	16	20.787	19.328	14369	28	24.436	22.653				
14154	14	13.954	14.400	14226	31	1.124	17.656	14298	13	21.178	19.642	14370	18	25.050	22.265				
14155	29	17.532	14.714	14227	27	3.750	17.080	14299	41	22.761	19.200	14371	14	0.337	23.190				
14156	24	18.733	14.756	14228	33	3.900	17.106	14300	34	22.888	19.398	14372	11	1.502	23.030				
1																			

R.A. 6 ^h 12 ^m				14506*				14578				14650				14722				17-592				9-798			
Plate 1896 ; 1921 Dec. 26.				14507				14579				14651				14723				17-610				9-968			
Provisional Constants.				14508				14580				14652				14724				17-712				9-394			
A B C				14509				14581				14653				14725				18-018				9-518			
-01787 -00214 +2931				14510				14582				14654*				14726				19-026				9-354			
D E F				14511				14583				14655				14727				20-612				9-410			
-00272 -01779 -1346				14512				14584				14656				14728				20-980				9-696			
Mag.=16.0-0.96√d				14513				14585				14657				14729				22-006				9-377			
				14514				14586*				14658				14730				23-902				9-928			
				14515				14587*				14659				14731				25-151				9-861			
				14516				14588				14660				14732				25-506				9-502			
				14517				14589*				14661				14733				25-602				9-160			
				14518				14590				14662				14734				1-114				10-080			
				14519				14591*				14663				14735				2-822				10-154			
				14520				14592				14664				14736				4-708				10-120			
				14521				14593				14665				14737				4-771				10-092			
				14522				14594*				14666				14738				4-976				10-047			
				14523*				14595				14667				14739				6-382				10-958			
				14524				14596				14668				14740*				8-006				10-968			
				14525				14597				14669				14741				8-657				10-282			
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				14527				14599				14671				14743				9-272				10-172			
				14528				14600				14672				14744				10-609				10-420			
				14529				14601				14673				14745				11-668				10-052			
				14530				14602				14674				14746				12-668				10-722			
				14531				14603				14675				14747				13-551				10-829			
				14532				14604				14676*				14748				14-026				10-122			
				14533				14605				14677				14749				14-595				10-500			
				14534				14606				14678				14750				14-797				10-743			
				14535*				14607				14679				14751				14-890				10-610			
				14536*				14608				14680				14752				15-356				10-038			
				14537				14609				14681				14753				16-199				10-506			
				14538*				14610				14682				14754				16-214				10-382			
				14539				14611				14683				14755				16-332				10-767			
				14540				14612				14684				14756				17-704				10-998			
				14541				14613*				14685*				14757				18-306				10-115			
				14542				14614				14686*				14758				18-910				10-714			
				14543				14615				14687				14759*				19-228				10-091			
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				14546				14618				14690*				14762				19-788				10-008			
				14547*				14619				14691*				14763*				20-260				10-412			
				14548*				14620				14692				14764				20-884				10-927			
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				14550				14622				14694				14766				22-640				10-180			
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				14552				14624				14696				14768				23-146				10-234			
				14553				14625				14697				14769				23-299				10-380			
				14554				14626				14698				14770*				24-357				10-087			
				14555*				14627				14699				14771				25-134				10-195			
				14556				14628				14700*				14772				0-783				11-198			
				14557*				14629				14701				14773				1-586				11-858			
				14558				14630				14702				14774				4-722				11-082			
				14559				14631				14703				14775				5-583				11-454			
				14560				14632				14704				14776				8-184				11-273			
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				14562				14634				14706				14778				9-980				11-508			
				14563				14635				14707				14779				10-625				11-236			
				14564				14636				14708				14780				11-127				11-829			
				14565*				14637				14709*				14781				13-122				11-924			
				14566				14638				14710				14782				13-858				11-468			
				14567				14639*				14711				14783				14-408				11-843			
				14568				14640				14712				14784				15-364				11-423			
				14569*				14641				14713				14785				16-604				11-177			
				14570				14642				14714				14786				17-202				11-160			
				14571*				14643				14715				14787				17-230				11-306			
				14572				14644				14716				14788				17-502				11-169			
				14573				14645				14717*				14789				18-659				11-273			
				14574				14646				14718*				14790				18-810				11-497			
				14575				14647				14719				14791				19-318				11-990			
				14576				14648				14720				14792				19-407				11-384			
				14577*				14649				14721				14793				20-530				11-921			

14794	15	20.772	11.854	14866	9	2.590	14.822	14938	11	5.931	16.894	15010	10	5.702	18.772	15082	16	13.892	20.697
14795	11	21.150	11.118	14867	24	6.130	14.357	14939*	64	6.414	16.422	15011	12	5.989	18.874	15083	20	17.396	20.521
14796	11	22.448	11.003	14868	8	6.235	14.656	14940	14	7.346	16.851	15012	42	6.212	18.376	15084	18	17.445	20.897
14797	14	22.456	11.801	14869	10	8.576	14.668	14941	15	9.412	16.400	15013	19	6.606	18.522	15085	16	17.725	20.967
14798	8	22.800	11.085	14870	24	9.175	14.430	14942	11	9.640	16.678	15014	11	6.780	18.094	15086	25	18.340	20.874
14799	19	23.123	11.300	14871*	37	9.334	14.954	14943	8	11.032	16.022	15015	19	7.779	18.926	15087	18	19.450	20.454
14800	30	24.044	11.227	14872	9	10.076	14.788	14944	20	11.798	16.863	15016	23	11.042	18.973	15088	20	19.559	20.396
14801	9	1.482	12.161	14873	10	10.091	14.856	14945	25	12.194	16.608	15017	10	11.576	18.740	15089	8	20.340	20.225
14802	8	1.959	12.252	14874	8	10.952	14.194	14946*	47	12.546	16.389	15018	22	11.922	18.140	15090	9	20.460	20.704
14803	30	2.082	12.660	14875	15	11.529	14.658	14947	21	12.672	16.206	15019	24	12.332	18.276	15091	12	20.856	20.848
14804	8	3.274	12.364	14876*	58	12.679	14.057	14948*	44	12.692	16.128	15020	34	12.666	18.038	15092	15	20.864	20.135
14805	20	3.721	12.603	14877	31	12.728	14.180	14949	16	12.796	16.285	15021	12	13.837	18.067	15093	30	21.049	20.570
14806	10	5.043	12.718	14878	22	12.961	14.315	14950	25	13.978	16.254	15022	8	13.972	18.130	15094	16	21.631	20.198
14807*	43	6.026	12.724	14879	12	13.200	14.421	14951	11	15.020	16.984	15023	15	14.425	18.065	15095	39	24.265	20.518
14808	10	6.668	12.862	14880*	34	15.299	14.032	14952	35	15.836	16.790	15024	8	15.718	18.900	15096	20	24.328	20.587
14809	10	6.786	12.806	14881	28	15.308	14.782	14953	14	16.262	16.407	15025	19	16.490	18.118	15097	8	0.372	21.203
14810	10	7.596	12.728	14882	8	16.222	14.380	14954	13	17.701	16.249	15026	9	16.743	18.084	15098	80	0.645	21.646
14811	20	8.999	12.769	14883	12	16.858	14.073	14955	37	18.251	16.452	15027*	62	16.877	18.397	15099	26	2.070	21.516
14812	12	9.069	12.432	14884*	47	17.572	14.814	14956	27	18.798	16.852	15028	9	17.064	18.324	15100	9	2.204	21.286
14813	9	9.628	12.722	14885	23	17.795	14.818	14957	9	18.964	16.032	15029	35	17.538	18.590	15101	11	2.599	21.910
14814	12	11.594	12.746	14886	14	17.844	14.297	14958	9	19.646	16.356	15030	13	17.896	18.928	15102	9	3.147	21.076
14815	10	11.624	12.182	14887*	43	18.223	14.152	14959	15	19.930	16.591	15031	13	18.264	18.536	15103	32	6.264	21.654
14816	16	13.802	12.401	14888	9	18.676	14.148	14960	13	20.224	16.794	15032	8	19.430	18.851	15104	21	8.696	21.194
14817	8	15.431	12.836	14889	22	18.767	14.031	14961*	42	20.850	16.517	15033	12	19.486	18.139	15105	18	9.636	21.473
14818	9	15.976	12.212	14890	24	18.952	14.647	14962	21	21.144	16.981	15034	21	19.877	18.900	15106*	37	9.666	21.538
14819	11	16.038	12.945	14891	18	19.228	14.810	14963	23	21.875	16.812	15035	9	20.529	18.421	15107	10	9.923	21.770
14820	9	17.091	12.603	14892	11	19.427	14.211	14964	21	22.090	16.388	15036*	57	20.936	18.408	15108	33	11.261	21.011
14821	8	18.270	12.266	14893	37	19.524	14.281	14965	13	22.180	16.360	15037	31	21.034	18.582	15109	35	12.340	21.868
14822	9	18.530	12.914	14894	12	20.184	14.558	14966	9	22.292	16.354	15038	8	21.215	18.777	15110	16	12.672	21.561
14823	12	18.915	12.624	14895	10	20.786	14.520	14967	23	22.303	16.158	15039*	34	22.150	18.411	15111	12	13.661	21.122
14824	10	19.305	12.110	14896	10	21.165	14.261	14968	12	22.431	16.901	15040	10	22.492	18.457	15112*	44	13.972	21.320
14825	32	19.520	12.251	14897	31	21.735	14.088	14969	12	23.023	16.084	15041	12	23.396	18.454	15113	23	14.426	21.226
14826	37	19.904	12.294	14898	12	23.456	14.253	14970	8	25.922	16.600	15042	9	23.425	18.650	15114	13	15.145	21.300
14827	10	20.282	12.614	14899	13	23.847	14.362	14971	9	2.436	17.990	15043	10	23.571	18.441	15115	10	15.246	21.954
14828*	43	21.234	12.400	14900	26	24.811	14.045	14972*	46	3.238	17.916	15044*	35	24.002	18.560	15116	23	15.374	21.160
14829	20	23.918	12.428	14901	10	25.074	14.703	14973	12	3.892	17.922	15045	44	25.858	18.927	15117	10	16.704	21.746
14830	23	25.036	12.294	14902	26	25.386	14.088	14974	10	3.992	17.710	15046	9	25.961	18.480	15118	9	17.730	21.338
14831	8	25.510	12.153	14903	20	25.966	14.546	14975	9	4.748	17.606	15047	30	1.796	19.502	15119	12	18.120	21.222
14832	12	2.606	13.836	14904	8	0.410	15.430	14976	28	5.226	17.052	15048	21	1.926	19.698	15120	10	19.127	21.193
14833*	42	3.380	13.930	14905	13	1.786	15.233	14977	20	9.231	17.160	15049	9	2.282	19.232	15121*	43	22.349	21.788
14834	11	4.562	13.187	14906	8	1.803	15.905	14978	8	10.596	17.826	15050	14	3.118	19.518	15122	43	23.108	21.053
14835	39	5.207	13.124	14907	12	2.190	15.488	14979	10	10.986	17.616	15051*	41	3.726	19.272	15123*	57	23.650	21.276
14836	10	5.835	13.158	14908	25	3.698	15.380	14980*	47	11.177	17.390	15052*	50	3.827	19.207	15124	22	23.912	21.128
14837	8	6.174	13.585	14909*	38	4.267	15.408	14981	8	11.626	17.536	15053*	43	6.830	19.924	15125	9	25.281	21.918
14838	16	6.778	13.264	14910	9	5.749	15.245	14982	12	11.771	17.050	15054	11	9.318	19.818	15126	13	25.668	21.987
14839	15	7.329	13.888	14911	9	6.171	15.835	14983	9	12.476	17.313	15055	11	9.654	19.000	15127	8	0.355	22.693
14840	22	7.344	13.669	14912	8	7.659	15.864	14984	25	12.536	17.324	15056	16	12.074	19.241	15128	15	2.514	22.544
14841	9	9.916	13.278	14913	13	7.959	15.872	14985	13	13.084	17.588	15057	9	12.246	19.032	15129	15	2.522	22.949
14842*	40	10.466	13.512	14914	19	8.164	15.976	14986	9	14.166	17.641	15058	9	14.710	19.408	15130	18	3.512	22.937
14843	15	10.652	13.727	14915	8	8.606	15.661	14987	26	14.622	17.384	15059	9	14.808	19.619	15131	13	4.122	22.540
14844	10	11.516	13.990	14916	9	9.004	15.669	14988	8	14.654	17.454	15060	10	16.073	19.998	15132	10	5.260	22.682
14845	25	12.198	13.736	14917	13	10.353	15.190	14989*	35	15.392	17.567	15061	9	18.336	19.744	15133	17	5.726	22.648
14846	12	12.856	13.925	14918	8	10.567	15.147	14990	24	15.794	17.635	15062	24	18.901	19.950	15134*	84	6.692	22.492
14847	10	12.898	13.905	14919	19	10.650	15.042	14991	20	16.226	17.890	15063	15	21.408	19.159	15135	9	8.364	22.816
14848	18	13.684	13.304	14920	15	10.866	15.733	14992	20	16.608	17.506	15064	13	22.084	19.316	15136	11	11.940	22.340
14849	19	14.758	13.229	14921	27	11.007	15.849	14993	10	17.671	17.904	15065	25	24.998	19.064	15137	11	12.675	22.737
14850*	43	15.031	13.372	14922	31	11.356	15.164	14994	18	17.905	17.723	15066	81	25.094	19.598	15138	29	12.864	22.738
14851	11	15.122	13.767	14923	12	11.427	15.712	14995	18	19.552	17.355	15067	9	25.176	19.348	15139	12	13.465	22.684
14852	13	15.147	13.866	14924	8	14.170	15.120	14996	32	19.636	17.123	15068	10	3.434	20.347	15140	8	13.544	22.698
14853	8	17.328	13.741	14925	8	14.962	15.078	14997	8	20.045	17.780	15069	12	5.508	20.800	15141	14	14.495	22.648
14854	9	17.482	13.641	14926	14	14.986	15.708	14998	9	20.874	17.176	15070	8	6.824	20.036	15142*	40	15.137	22.842
14855	20	17.678	13.950	14927	10	16.805	15.980	14999	27	23.107	17.228	15071	17	7.756	20.368	15143	32	15.728	22.777

15154	11	25.951	22.720	<div>R.A. 6^h 20^m</div> <div>Plate 1907; 1922 Feb. 21.</div> <div>Provisional Constants.</div> <div>A B C</div> <div>- 01744 - 00532 - 6606</div> <div>D E F</div> <div>- 00526 - 01748 - 2322</div> <div>Mag. = 16.1 - 0.96√d</div>	15306	10	7.426	1.927	15378	15	23.895	2.726	15450	23	5.156	4.744
15155	12	1.512	23.720		15307	10	8.214	1.049	15379	48	0.006	3.806	15451	11	5.206	4.925
15156	19	1.842	23.080		15308	17	8.246	1.546	15380	11	0.436	3.394	15452	21	7.414	4.747
15157	15	2.476	23.334		15309	10	8.530	1.913	15381	28	1.497	3.422	15453	18	7.564	4.246
15158	13	2.786	23.680		15310	15	9.095	1.576	15382	37	1.820	3.724	15454	17	7.894	4.736
15159	9	7.631	23.464		15311	22	10.476	1.864	15383	15	4.825	3.555	15455	17	7.940	4.345
15160	20	8.503	23.118		15312	16	11.022	1.794	15384	24	5.046	3.872	15456	18	8.116	4.566
15161	14	8.932	23.791		15313*	46	11.166	1.996	15385	21	5.239	3.264	15457	12	8.120	4.596
15162	19	9.938	23.040		15314	21	11.864	1.766	15386	18	5.346	3.615	15458	14	8.930	4.546
15163	8	12.784	23.440		15315	17	12.776	1.285	15387	14	5.731	3.498	15459	26	9.348	4.966
15164	21	13.214	23.740	15316	19	13.250	1.736	15388	12	5.927	3.422	15460	16	10.506	4.264	
15165	9	14.907	23.099	15317	13	14.016	1.472	15389	32	5.976	3.776	15461	19	11.666	4.534	
15166	17	14.958	23.526	15318	11	14.253	1.142	15390	22	6.063	3.232	15462	17	12.416	4.126	
15167*	51	16.040	23.388	15319	12	14.581	1.068	15391	16	6.188	3.613	15463	20	13.156	4.076	
15168*	40	16.764	23.340	15320	33	14.706	1.280	15392	14	6.424	3.896	15464	22	13.772	4.958	
15169	9	17.766	23.476	15321	22	15.041	1.688	15393*	59	6.874	3.076	15465	14	14.404	4.164	
15170	17	20.085	23.879	15322	24	17.431	1.020	15394	13	7.174	3.766	15466*	39	14.546	4.566	
15171	13	24.141	23.336	15323	19	17.471	1.303	15395	14	7.208	3.354	15467	16	17.512	4.009	
15172	10	25.382	23.667	15324	27	18.725	1.246	15396	11	7.410	3.037	15468	15	17.784	4.626	
15173	29	2.625	24.420	15325	39	19.377	1.244	15397*	52	7.703	3.376	15469	33	18.185	4.056	
15174*	48	4.990	24.036	15326	24	20.766	1.906	15398	38	8.384	3.601	15470	16	18.474	4.732	
15175	9	7.576	24.468	15327*	66	21.020	1.414	15399	23	8.653	3.534	15471	21	18.836	4.312	
15176	10	8.586	24.389	15328	20	21.361	1.422	15400	20	9.172	3.256	15472	11	19.248	4.574	
15177	9	9.030	24.038	15329	22	21.956	1.446	15401	19	9.281	3.518	15473	21	19.303	4.442	
15178	13	9.322	24.124	15330*	48	22.255	1.139	15402	15	9.484	3.236	15474	11	19.314	4.426	
15179	8	9.339	24.262	15331	38	22.411	1.410	15403*	44	9.546	3.026	15475	19	20.740	4.046	
15180	11	10.152	24.660	15332	16	22.902	1.826	15404	18	9.941	3.276	15476	16	21.312	4.264	
15181	13	11.676	24.331	15333	21	23.856	1.545	15405	20	10.050	3.691	15477	16	21.805	4.295	
15182	18	11.944	24.282	15334	26	24.076	1.958	15406	17	10.104	3.956	15478	18	22.086	4.620	
15183	28	12.290	24.281	15335	17	24.974	1.916	15407	16	10.654	3.748	15479	14	23.401	4.995	
15184	19	12.713	24.404	15336	21	0.029	2.871	15408	14	10.934	3.485	15480*	40	23.688	4.843	
15185	9	13.857	24.524	15337	18	0.206	2.698	15409	18	11.756	3.594	15481	13	24.984	4.866	
15186	9	14.022	24.590	15338*	38	0.965	2.336	15410	22	12.212	3.202	15482	23	25.187	4.786	
15187	22	14.779	24.110	15339	14	0.969	2.762	15411	20	12.412	3.906	15483	10	25.446	4.624	
15188	8	15.082	24.574	15340	14	1.149	2.482	15412	23	12.678	3.070	15484	20	25.853	4.894	
15189*	71	16.028	24.831	15341	20	1.772	2.852	15413	37	12.684	3.802	15485	11	0.049	5.585	
15190	10	16.954	24.548	15342	32	1.889	2.768	15414	16	12.988	3.030	15486	10	0.614	5.161	
15191	18	20.076	24.110	15343	24	1.949	2.311	15415	13	13.165	3.856	15487	20	0.678	5.535	
15192	12	21.366	24.770	15344	26	2.192	2.652	15416	12	13.531	3.948	15488	15	0.698	5.586	
15193	37	22.756	24.894	15345	22	2.459	2.586	15417	25	13.560	3.664	15489	32	1.301	5.523	
15194	10	23.452	24.982	15346*	39	2.767	2.916	15418	29	14.428	3.556	15490	12	3.750	5.970	
15195	18	25.305	24.656	15347*	56	4.859	2.662	15419	18	15.608	3.365	15491	29	4.168	5.300	
15196	21	25.510	24.495	15348*	40	5.334	2.334	15420	18	16.834	3.314	15492	17	4.492	5.994	
15197	9	1.638	25.829	15349	10	6.246	2.736	15421	15	16.972	3.331	15493	13	5.268	5.012	
15198	12	2.728	25.065	15350	31	6.265	2.794	15422	22	17.391	3.904	15494	23	5.316	5.986	
15199	10	3.629	25.278	15351	26	6.990	2.956	15423	18	17.638	3.026	15495	12	5.482	5.988	
15200	37	3.817	25.808	15352	23	7.515	2.776	15424	18	17.737	3.194	15496	15	6.350	5.518	
15201	12	4.608	25.181	15353	21	9.656	2.134	15425	18	17.850	3.376	15497	24	7.916	5.956	
15202	13	5.952	25.831	15354	15	9.712	2.750	15426	27	19.220	3.434	15498	19	8.517	5.825	
15203	11	7.568	25.684	15355	24	9.732	2.744	15427	23	19.336	3.394	15499	24	8.724	5.244	
15204*	48	9.783	25.190	15356	13	10.811	2.791	15428	18	20.216	3.966	15500	26	9.076	5.416	
15205	15	14.035	25.827	15357	14	10.916	2.532	15429	30	20.411	3.750	15501	14	9.558	5.529	
15206	8	14.163	25.874	15358	33	11.006	2.908	15430	10	21.655	3.776	15502	15	10.275	5.448	
15207	22	15.226	25.860	15359	9	11.040	2.674	15431	21	23.348	3.386	15503	22	10.352	5.724	
15208	36	15.330	25.506	15360	9	11.114	2.543	15432*	37	23.479	3.886	15504	17	10.642	5.303	
15209	8	16.156	25.375	15361	21	11.364	2.555	15433	24	24.086	3.075	15505	17	12.378	5.896	
15210	16	16.891	25.696	15362	25	12.564	2.651	15434	9	24.291	3.215	15506	26	12.764	5.067	
15211	39	17.332	25.367	15363	35	12.682	2.435	15435	30	25.240	3.603	15507	12	13.848	5.985	
15212	10	17.901	25.654	15364	22	15.974	2.686	15436	39	25.249	3.691	15508*	28	14.199	5.306	
15213	20	19.517	25.660	15365	13	16.096	2.334	15437	23	25.768	3.778	15509	14	14.736	5.566	
15214	25	20.247	25.007	15366	31	16.836	2.756	15438	14	25.884	3.223	15510*	30	15.632	5.046	
15215*	50															

15522	18	24.486	5.752	15594	16	16.584	7.774	15666	14	1.256	9.891	15738	18	17.511	10.598	15810	16	5.122	12.042
15523	23	24.508	5.246	15595	13	16.856	7.134	15667	16	1.300	9.346	15739*	60	18.572	10.605	15811	21	6.888	12.336
15524	38	25.844	5.878	15596	16	17.233	7.150	15668	14	2.504	9.805	15740	17	19.222	10.024	15812	17	7.817	12.195
15525	15	1.706	6.276	15597	21	17.880	7.144	15669	21	2.854	9.440	15741	30	19.265	10.426	15813	14	8.435	12.424
15526	23	2.276	6.516	15598	15	18.348	7.290	15670	14	2.940	9.100	15742	12	19.552	10.428	15814	11	9.086	12.684
15527	11	2.532	6.793	15599	17	18.572	7.929	15671	12	3.576	9.733	15743	12	19.616	10.523	15815	12	11.380	12.524
15528	19	2.781	6.112	15600*	40	18.778	7.758	15672	26	3.757	9.392	15744	16	19.778	10.500	15816	11	11.945	12.492
15529	17	3.714	6.500	15601*	50	18.950	7.076	15673	14	4.281	9.479	15745*	59	20.444	10.182	15817	24	12.156	12.502
15530	12	6.102	6.316	15602	19	19.960	7.365	15674*	40	4.326	9.703	15746	28	21.212	10.833	15818	24	12.650	12.426
15531	16	6.358	6.800	15603	20	19.998	7.643	15675	38	4.849	9.579	15747	19	21.652	10.226	15819*	42	13.786	12.505
15532	18	6.476	6.180	15604*	40	20.160	7.734	15676	17	5.014	9.215	15748	15	22.292	10.556	15820	17	15.512	12.485
15533	14	6.806	6.425	15605*	55	20.466	7.186	15677	15	5.370	9.326	15749	35	23.664	10.876	15821	10	16.376	12.870
15534	12	6.859	6.276	15606	19	21.920	7.744	15678	18	6.050	9.884	15750	35	23.774	10.816	15822	20	17.946	12.026
15535	38	6.934	6.446	15607	34	22.095	7.334	15679	17	6.748	9.574	15751	27	24.006	10.676	15823	18	19.136	12.588
15536	14	7.342	6.523	15608	17	22.566	7.584	15680	13	7.124	9.365	15752	14	24.949	10.546	15824	18	19.575	12.639
15537	17	7.980	6.204	15609	17	22.796	7.724	15681	18	9.707	9.510	15753	16	0.176	11.068	15825	17	20.594	12.863
15538	24	8.148	6.180	15610	40	23.782	7.994	15682	26	10.134	9.446	15754	14	0.485	11.260	15826	14	21.357	12.973
15539	13	8.948	6.672	15611	14	23.826	7.145	15683	21	10.661	9.140	15755	23	0.500	11.276	15827	16	21.436	12.955
15540	15	9.691	6.537	15612	20	23.925	7.845	15684	18	11.716	9.434	15756	38	1.420	11.188	15828	16	21.489	12.889
15541	17	10.400	6.526	15613	18	24.664	7.916	15685	18	12.094	9.060	15757	13	1.569	11.340	15829*	40	22.346	12.610
15542	14	10.942	6.755	15614	17	25.169	7.744	15686	23	12.450	9.659	15758	11	2.044	11.864	15830	16	22.477	12.686
15543	18	11.362	6.104	15615	12	25.964	7.712	15687	15	13.496	9.368	15759	16	2.188	11.044	15831	9	22.805	12.880
15544	11	13.145	6.300	15616	55	0.115	8.256	15688	20	13.514	9.356	15760	14	3.616	11.526	15832*	26	23.104	12.054
15545*	44	14.825	6.765	15617	24	0.288	8.834	15689	11	14.438	9.352	15761	14	4.270	11.867	15833	17	23.986	12.430
15546	23	14.976	6.024	15618	16	0.814	8.490	15690	17	14.834	9.095	15762	18	4.462	11.308	15834	13	24.124	12.426
15547	18	16.534	6.506	15619	11	0.842	8.652	15691	20	15.046	9.975	15763	19	5.532	11.850	15835	17	25.850	12.176
15548	22	16.644	6.056	15620	15	1.500	8.425	15692	13	16.636	9.266	15764	24	5.783	11.558	15836	33	0.428	13.665
15549	15	16.676	6.666	15621	15	1.684	8.280	15693*	44	17.347	9.326	15765	20	6.035	11.224	15837	18	0.642	13.912
15550	11	18.705	6.055	15622	34	2.476	8.644	15694	15	17.458	9.735	15766*	59	6.450	11.298	15838	16	0.867	13.814
15551	20	18.940	6.845	15623	26	3.271	8.084	15695	18	17.474	9.654	15767	17	7.086	11.229	15839*	80	1.118	13.312
15552	17	20.106	6.894	15624	40	3.771	8.202	15696	24	19.642	9.445	15768	19	7.180	11.385	15840	52	1.225	13.176
15553	15	20.544	6.375	15625	13	4.167	8.206	15697	14	19.756	9.917	15769	12	8.166	11.618	15841	33	2.236	13.995
15554	13	20.728	6.126	15626	34	4.649	8.802	15698	10	20.513	9.998	15770	18	8.322	11.064	15842	15	3.462	13.745
15555	38	20.984	6.028	15627*	44	5.403	8.895	15699	18	20.744	9.095	15771	17	8.807	11.706	15843	13	3.814	13.764
15556	15	21.264	6.434	15628	24	6.090	8.769	15700	38	21.270	9.946	15772	17	9.364	11.264	15844	16	5.023	13.346
15557	18	22.260	6.194	15629	16	7.684	8.185	15701	28	21.860	9.716	15773	11	9.404	11.338	15845	17	5.179	13.763
15558	9	22.390	6.432	15630	14	7.706	8.417	15702	37	21.919	9.064	15774	13	10.488	11.477	15846	11	5.200	13.016
15559	12	22.502	6.605	15631	40	7.725	8.294	15703	14	22.838	9.171	15775	21	10.900	11.864	15847	16	5.273	13.382
15560	16	23.058	6.545	15632	11	10.156	8.750	15704	17	22.844	9.406	15776	11	11.166	11.790	15848*	55	5.855	13.745
15561	12	25.174	6.104	15633	15	10.965	8.204	15705	12	22.980	9.526	15777	18	11.248	11.500	15849*	39	5.954	13.946
15562	35	0.615	7.186	15634	19	11.109	8.576	15706	9	23.750	9.351	15778	15	11.435	11.036	15850	13	6.264	13.591
15563	19	0.676	7.132	15635	19	11.186	8.517	15707	22	24.076	9.216	15779	9	11.462	11.424	15851	14	6.493	13.416
15564	21	0.837	7.214	15636	16	11.631	8.275	15708	20	0.000	10.164	15780	37	12.482	11.594	15852	9	6.900	13.662
15565	28	1.640	7.906	15637	19	12.152	8.347	15709	38	0.184	10.978	15781	17	14.200	11.500	15853	15	7.173	13.946
15566	11	2.390	7.874	15638	15	12.421	8.506	15710	19	0.506	10.210	15782	37	14.966	11.768	15854	14	7.298	13.436
15567	14	2.432	7.786	15639	13	13.380	8.666	15711	19	0.659	10.354	15783	19	14.992	11.006	15855	15	7.894	13.438
15568	25	2.512	7.614	15640	14	13.414	8.978	15712	12	1.619	10.446	15784	12	15.146	11.262	15856	15	8.214	13.456
15569	34	3.177	7.928	15641	8	13.427	8.216	15713*	53	1.710	10.044	15785	10	15.521	11.608	15857*	25	8.715	13.596
15570	19	3.351	7.030	15642	16	13.458	8.166	15714	13	1.955	10.982	15786	20	15.634	11.696	15858	13	9.006	13.655
15571	16	4.666	7.425	15643	19	16.742	8.306	15715	12	2.398	10.421	15787	39	16.757	11.705	15859	21	10.430	13.448
15572	12	5.364	7.735	15644	14	16.840	8.014	15716	16	2.494	10.142	15788*	39	17.056	11.186	15860	20	10.681	13.615
15573	14	5.755	7.226	15645	10	16.916	8.706	15717	11	2.584	10.465	15789	14	17.451	11.215	15861	26	11.928	13.565
15574	14	7.371	7.735	15646	10	17.640	8.328	15718	35	4.152	10.964	15790	24	17.794	11.424	15862	14	12.508	13.360
15575*	58	7.428	7.196	15647	28	17.656	8.190	15719	20	4.456	10.935	15791	17	18.444	11.952	15863	40	17.024	13.214
15576*	39	7.436	7.884	15648	23	18.144	8.004	15720	17	4.516	10.226	15792	24	18.654	11.676	15864	17	17.307	13.370
15577	23	7.684	7.345	15649	20	18.686	8.722	15721	12	6.606	10.785	15793	22	18.794	11.786	15865	18	18.342	13.044
15578	12	8.214	7.716	15650	17	18.694	8.224	15722	14	6.660	10.026	15794	15	18.895	11.624	15866	39	19.564	13.542
15579	10	8.771	7.981	15651	32	19.096	8.441	15723	14	6.728	10.708	15795	13	19.144	11.372	15867	17	19.822	13.136
15580	13	9.935	7.020	15652	20	19.586	8.902	15724	11	6.914	10.703	15796	12	19.356	11.135	15868	16	20.275	13.124
15581	23	9.954	7.046	15653	17	20.266	8.835	15725	44	7.140	10.668	15797	14	19.476	11.845	15869	17	20.914	13.244
15582	13	10.468	7.744	15654	17	20.644	8.214	15726	12	7.925	10.012	15798	11	20.935	11.022	15870	12	21.378	13.575
15583	17	11.286	7.004	15655	25	21.160	8.145	15727	33	8.137	10.776	15799	16	21.600	11.074	15871	9	21.900	13.970
15584	19	12.132	7.356	15656	18	21.758	8.934	15728	17	8.736	10.958	15800	11	21.680</					

15882	11	3.120	14.161	15954	39	19.394	15.866	16026	33	8.816	17.744	16098	13	22.662	18.472	16170*	37	16.304	20.644
15883	38	3.400	14.476	15955	16	19.498	15.682	16027	37	8.822	17.409	16099	31	23.420	18.986	16171	10	16.316	20.145
15884	18	5.466	14.345	15956	38	19.892	15.686	16028	21	11.450	17.650	16100*	38	23.916	18.056	16172	20	16.330	20.295
15885	15	6.052	14.696	15957	14	20.102	15.576	16029	10	12.067	17.567	16101	37	24.233	18.766	16173	22	17.014	20.086
15886	38	6.448	14.754	15958	16	22.416	15.524	16030	28	12.415	17.894	16102	23	24.729	18.988	16174	11	18.104	20.034
15887	20	7.634	14.875	15959	15	23.636	15.566	16031	16	12.477	17.879	16103	18	24.896	18.806	16175	15	19.006	20.166
15888	23	8.360	14.444	15960	11	23.834	15.700	16032	16	13.081	17.192	16104	39	25.390	18.342	16176	14	19.930	20.404
15889*	74	10.936	14.302	15961	12	24.752	15.420	16033	40	14.442	17.264	16105	19	25.504	18.556	16177	18	20.350	20.574
15890*	48	10.944	14.607	15962	18	25.836	15.014	16034	21	14.548	17.405	16106	19	1.202	19.791	16178	20	20.746	20.274
15891	31	11.540	14.454	15963	10	25.936	15.736	16035	15	15.360	17.322	16107	27	2.506	19.014	16179	16	21.232	20.266
15892*	39	14.070	14.410	15964	22	25.966	15.781	16036	11	15.814	17.282	16108*	80	2.600	19.546	16180	24	22.227	20.962
15893	16	14.108	14.846	15965	22	0.478	16.065	16037*	32	19.435	17.658	16109	21	2.689	19.295	16181	22	23.228	20.666
15894	42	14.885	14.976	15966	18	2.286	16.888	16038	11	20.201	17.834	16110	17	3.800	19.642	16182	18	24.965	20.764
15895	13	14.956	14.462	15967	14	2.530	16.876	16039	13	20.524	17.580	16111	13	6.742	19.470	16183	30	25.232	20.526
15896	38	15.834	14.552	15968	18	3.392	16.531	16040	20	20.890	17.914	16112*	40	7.361	19.848	16184	13	25.618	20.045
15897	16	16.322	14.226	15969	13	4.264	16.943	16041*	59	20.926	17.644	16113	18	7.606	19.066	16185	18	25.943	20.553
15898	33	17.158	14.955	15970	19	4.879	16.128	16042	23	22.258	17.039	16114	21	7.625	19.065	16186	15	0.395	21.176
15899	40	17.580	14.422	15971	18	4.950	16.888	16043	14	22.654	17.589	16115	18	8.584	19.027	16187	40	0.646	21.035
15900	20	18.861	14.255	15972	46	6.313	16.765	16044	21	22.716	17.015	16116	16	8.699	19.775	16188*	57	1.186	21.246
15901	18	18.970	14.706	15973	13	6.592	16.508	16045	17	23.675	17.985	16117	16	8.976	19.670	16189	26	1.455	21.096
15902	40	19.439	14.724	15974	23	6.736	16.190	16046	14	24.694	17.906	16118	38	9.020	19.214	16190	11	1.635	21.895
15903	31	19.752	14.956	15975	13	7.114	16.395	16047	17	24.952	17.314	16119	13	11.658	19.162	16191	10	1.644	21.222
15904	15	20.589	14.825	15976	15	7.944	16.616	16048	21	25.482	17.306	16120	26	11.784	19.477	16192	16	1.766	21.126
15905	34	20.834	14.486	15977	20	8.030	16.324	16049	22	0.894	18.433	16121	16	13.014	19.664	16193	15	1.798	21.776
15906	9	21.150	14.126	15978	22	10.966	16.846	16050	16	0.928	18.625	16122	16	13.488	19.044	16194	17	2.836	21.861
15907	13	21.336	14.098	15979	26	11.274	16.974	16051	20	1.068	18.414	16123	14	13.900	19.044	16195	14	2.962	21.453
15908	15	21.898	14.760	15980	27	12.448	16.628	16052*	40	1.500	18.524	16124	11	14.278	19.658	16196	25	3.228	21.924
15909	16	22.022	14.938	15981*	52	12.869	16.406	16053	10	1.943	18.329	16125	13	14.987	19.866	16197	20	3.456	21.244
15910	16	22.058	14.814	15982	14	13.335	16.877	16054	14	2.230	18.166	16126	17	15.944	19.214	16198	21	3.776	21.516
15911	21	22.468	14.856	15983	26	14.361	16.852	16055	17	2.264	18.995	16127	23	17.034	19.042	16199	16	5.201	21.486
15912	11	22.642	14.875	15984	37	14.966	16.471	16056	10	3.097	18.551	16128	14	17.312	19.382	16200	14	5.706	21.414
15913	14	22.955	14.918	15985	23	15.224	16.916	16057	41	3.362	18.861	16129	22	17.498	19.256	16201	14	7.664	21.274
15914	16	23.211	14.445	15986	17	16.086	16.324	16058	16	3.414	18.774	16130	20	19.064	19.550	16202	15	8.202	21.655
15915	14	23.294	14.212	15987*	40	16.179	16.965	16059	18	3.462	18.416	16131	23	20.214	19.686	16203	15	8.895	21.864
15916	13	23.542	14.176	15988	29	16.194	16.935	16060	37	4.215	18.834	16132	14	21.472	19.472	16204	22	9.052	21.756
15917	22	24.636	14.486	15989	16	16.424	16.094	16061	16	4.262	18.992	16133	11	21.946	19.892	16205	13	11.156	21.405
15918	22	25.267	14.326	15990	18	18.532	16.692	16062	18	4.681	18.986	16134	14	23.444	19.405	16206	15	11.444	21.795
15919	13	25.363	14.850	15991	18	19.310	16.426	16063	13	4.986	18.345	16135	16	23.543	19.826	16207	14	11.446	21.606
15920	37	25.394	14.498	15992	30	19.392	16.962	16064	13	5.203	18.202	16136	23	25.375	19.692	16208	12	12.276	21.166
15921	9	25.606	14.580	15993	21	19.776	16.184	16065	14	5.552	18.134	16137	18	25.562	19.264	16209	21	12.728	21.822
15922	17	0.416	15.682	15994	21	20.021	16.846	16066	33	5.720	18.574	16138	38	1.794	20.479	16210	18	12.762	21.726
15923	16	3.164	15.384	15995	18	20.232	16.294	16067*	41	5.956	18.600	16139	26	1.864	20.546	16211	15	13.015	21.098
15924	21	3.966	15.916	15996	35	20.233	16.196	16068	14	6.856	18.826	16140	11	2.039	20.206	16212	16	13.200	21.638
15925	20	4.633	15.005	15997	16	20.522	16.105	16069	17	6.992	18.876	16141	23	3.996	20.414	16213	10	14.565	21.071
15926	15	4.662	15.096	15998*	38	20.850	16.444	16070*	84	7.499	18.922	16142	13	4.218	20.725	16214	23	14.934	21.386
15927	36	4.821	15.332	15999	15	21.244	16.244	16071	23	7.586	18.254	16143	18	4.394	20.365	16215	17	16.606	21.330
15928	19	4.962	15.036	16000	13	21.418	16.200	16072	19	8.766	18.469	16144	13	4.714	20.584	16216	18	17.810	21.436
15929	22	5.076	15.916	16001*	36	21.524	16.334	16073	18	9.553	18.544	16145	30	4.924	20.995	16217	12	18.016	21.492
15930	12	6.146	15.008	16002	19	22.194	16.700	16074	15	9.648	18.895	16146	16	5.144	20.484	16218	21	18.774	21.150
15931	21	6.155	15.724	16003	20	22.533	16.106	16075	14	9.804	18.599	16147	24	5.284	20.522	16219	21	18.860	21.282
15932*	59	6.736	15.434	16004	14	23.591	16.074	16076	24	10.439	18.274	16148	38	5.295	20.256	16220	14	19.397	21.345
15933	14	7.646	15.545	16005	30	24.237	16.364	16077	20	10.464	18.312	16149	17	5.425	20.378	16221	12	19.407	21.786
15934	17	7.924	15.405	16006	16	24.384	16.146	16078	14	10.607	18.835	16150	40	5.487	20.105	16222	13	20.566	21.936
15935	21	8.646	15.246	16007	15	25.574	16.070	16079	12	10.700	18.782	16151	11	5.570	20.150	16223	23	20.756	21.875
15936	15	9.514	15.012	16008	24	25.782	16.494	16080	11	10.901	18.036	16152	14	6.536	20.573	16224	15	20.965	21.246
15937	37	9.758	15.366	16009	14	25.972	16.031	16081	38	11.100	18.412	16153	16	7.084	20.374	16225	19	20.978	21.390
15938	15	12.236	15.364	16010	15	0.068	17.036	16082	14	11.782	18.912	16154	13	7.708	20.195	16226*	42	21.856	21.144
15939	32	13.627	15.958	16011	10	0.265	17.498	16083	32	11.839	18.386	16155	9	7.774	20.900	16227	19	21.894	21.646
15940	14	14.204	15.475	16012	23	0.584	17.206	16084	18	15.539	18.455	16156*	44	8.461	20.385	16228*	59	21.922	21.078
15941	38	14.279	15.226	16013	26	0.685	17.256	16085	37	15.699	18.374	16157	18	8.705	20.565	16229	14	22.138	21.532
15942	15	14.854	15.594	16014	14	0.904	17.626	16086	18	15.744	18.544	16158	15	9.625	20.185	16230	13	22.424	21.726
15943	17	15.574	15.714	16015	16	1.474	17.133	16087	23	15.776	18.036	16159	37	10.406	20.665				

16242	44	6.371	22.956	16314	22	20.738	23.700	16386	18	7.259	25.126	16462	36	9.637	0.766	16534	22	7.698	3.442
16243	12	6.664	22.574	16315	24	21.351	23.226	16387	21	7.546	25.659	16463	73	10.466	0.114	16535	30	7.761	3.076
16244	16	6.832	22.486	16316	18	22.145	23.233	16388	13	7.630	25.648	16464	17	11.082	0.456	16536	15	7.784	3.196
16245	23	6.954	22.796	16317	18	23.386	23.854	16389	26	8.610	25.715	16465	27	12.886	0.570	16537*	85	8.250	3.504
16246	26	7.354	22.244	16318	26	24.272	23.252	16390	14	9.740	25.176	16466	26	15.909	0.440	16538	10	9.690	3.044
16247	12	7.594	22.614	16319	12	24.849	23.854	16391	19	10.236	25.196	16467	10	18.120	0.265	16539	33	10.578	3.650
16248	22	7.630	22.036	16320	16	25.231	23.354	16392	9	10.330	25.523	16468	15	18.166	0.554	16540	19	10.650	3.468
16249	20	7.946	22.508	16321	40	25.707	23.361	16393	23	10.366	25.650	16469	28	18.958	0.746	16541	24	11.277	3.718
16250	14	7.958	22.024	16322	15	25.734	23.084	16394	16	10.460	25.428	16470	12	20.750	0.292	16542	17	11.881	3.890
16251	18	9.208	22.632	16323	40	0.364	24.884	16395	21	10.843	25.284	16471	27	20.950	0.199	16543	20	12.172	3.068
16252	10	9.286	22.368	16324	10	1.008	24.284	16396	17	11.567	25.271	16472*	87	21.508	0.790	16544	25	12.556	3.336
16253	19	9.470	22.530	16325	18	1.066	24.958	16397	19	11.649	25.423	16473	33	22.776	0.152	16545	25	12.808	3.648
16254	23	9.734	22.488	16326	13	2.156	24.604	16398	13	12.458	25.286	16474	12	23.880	0.175	16546	12	13.976	3.232
16255	20	9.887	22.192	16327	28	2.910	24.604	16399	18	12.598	25.274	16475	11	0.497	1.394	16547*	36	14.265	3.510
16256	30	10.254	22.797	16328	15	2.972	24.234	16400	15	13.826	25.055	16476*	45	0.782	1.080	16548	11	15.194	3.859
16257	12	10.784	22.885	16329	36	3.112	24.437	16401	17	13.955	25.126	16477	33	0.946	1.350	16549	19	16.761	3.760
16258	15	10.944	22.916	16330	17	3.224	24.232	16402	50	14.042	25.526	16478	26	1.660	1.974	16550	35	17.984	3.914
16259	19	11.153	22.100	16331	18	3.621	24.906	16403	23	14.634	25.722	16479	13	2.395	1.464	16551	17	19.086	3.251
16260	14	12.428	22.194	16332	21	3.722	24.745	16404	20	15.751	25.764	16480	23	2.620	1.872	16552*	43	20.076	3.326
16261*	21	12.538	22.504	16333	24	4.901	24.684	16405	20	15.872	25.246	16481	12	3.515	1.816	16553	30	20.742	3.851
16262	14	12.968	22.812	16334	17	5.846	24.214	16406	18	16.052	25.372	16482	16	4.933	1.790	16554	13	22.330	3.421
16263*	31	13.028	22.156	16335	13	6.988	24.334	16407	13	16.525	25.274	16483*	36	5.590	1.878	16555	31	22.986	3.125
16264*	23	13.410	22.514	16336	22	7.176	24.375	16408	16	16.914	25.734	16484	16	7.462	1.166	16556	38	24.215	3.255
16265	11	14.048	22.626	16337	14	7.782	24.675	16409	34	16.983	25.144	16485	17	8.479	1.990	16557*	43	24.261	3.626
16266	13	14.888	22.950	16338	20	8.142	24.234	16410	14	17.334	25.150	16486	38	9.260	1.126	16558	14	1.099	4.958
16267	14	16.080	22.974	16339	32	8.498	24.630	16411	25	18.092	25.564	16487	21	9.360	1.920	16559*	41	2.269	4.760
16268	12	16.369	22.998	16340*	44	8.815	24.156	16412	12	18.754	25.774	16488	13	10.470	1.682	16560	18	3.770	4.686
16269*	40	16.548	22.535	16341	34	9.803	24.718	16413	32	19.876	25.286	16489	15	11.093	1.552	16561	14	4.437	4.780
16270	16	17.590	22.772	16342	15	9.888	24.661	16414	26	20.164	25.774	16490*	37	11.584	1.720	16562	23	5.480	4.162
16271*	40	17.719	22.088	16343	20	11.742	24.526	16415	23	21.929	25.691	16491	43	11.678	1.410	16563	20	5.514	4.104
16272	11	18.040	22.942	16344	14	12.675	24.817	16416	24	22.368	25.790	16492	17	11.854	1.549	16564*	37	7.600	4.888
16273	16	18.096	22.516	16345	24	12.791	24.156	16417	14	23.036	25.456	16493	24	13.125	1.883	16565*	36	8.785	4.914
16274	21	18.626	22.282	16346	13	13.036	24.645	16418	16	23.656	25.426	16494	12	13.799	1.860	16566	29	9.475	4.840
16275*	39	19.012	22.394	16347	28	13.598	24.120	16419	12	24.303	25.836	16495*	42	14.342	1.378	16567*	30	11.241	4.250
16276	10	19.716	22.018	16348	10	14.248	24.154	16420	35	24.635	25.237	16496	13	14.529	1.410	16568	36	12.952	4.450
16277	12	19.944	22.668	16349	17	14.594	24.014	16421	23	24.870	25.512	16497	12	19.096	1.066	16569	13	13.418	4.390
16278	35	19.984	22.956	16350	24	15.332	24.026	16422	18	24.940	25.014	16498	22	20.226	1.200	16570	19	15.580	4.268
16279	38	20.344	22.311	16351	18	15.334	24.306	16423	35	25.272	25.386	16499	11	20.815	1.478	16571	27	16.741	4.878
16280	9	20.749	22.850	16352	14	15.576	24.558	16424	23	25.698	25.546	16500	14	22.585	1.553	16572	13	17.058	4.958
16281	17	21.016	22.716	16353*	54	15.586	24.895	16425	17	25.990	25.678	16501	26	24.008	1.236	16573	10	18.220	4.106
16282	17	21.702	22.694	16354	21	15.618	24.600					16502	14	24.026	1.669	16574	22	18.466	4.600
16283	18	22.259	22.275	16355	13	15.643	24.782					16503	33	24.422	1.866	16575	10	18.809	4.520
16284	20	22.522	22.817	16356	18	15.784	24.095					16504	22	2.644	2.988	16576	24	21.388	4.202
16285	17	23.563	22.204	16357	34	17.262	24.994					16505	32	5.282	2.512	16577	34	21.974	4.027
16286	19	23.731	22.074	16358	14	17.291	24.226					16506	24	6.780	2.592	16578	14	23.404	4.898
16287	31	25.494	22.778	16359	20	17.866	24.607					16507	28	7.919	2.262	16579	31	23.744	4.017
16288	28	1.723	23.302	16360	22	18.286	24.350					16508	40	9.020	2.180	16580	10	24.720	4.814
16289	17	2.558	23.555	16361	11	18.654	24.342					16509	21	9.034	2.758	16581	17	0.308	5.200
16290	25	2.970	23.614	16362	22	18.676	24.201					16510	28	9.355	2.720	16582	16	3.082	5.660
16291	18	3.804	23.015	16363	12	18.745	24.576					16511	40	11.155	2.208	16583	27	3.094	5.154
16292	14	4.774	23.474	16364	17	18.806	24.706					16512	27	12.190	2.370	16584*	37	4.438	5.765
16293	14	5.058	23.828	16365	12	18.968	24.134					16513	20	12.350	2.888	16585*	41	4.823	5.742
16294	18	5.861	23.625	16366*	44	20.362	24.554					16514	19	15.370	2.443	16586*	37	5.655	5.718
16295	18	6.388	23.516	16367	22	20.394	24.114					16515	10	16.825	2.369	16587	31	7.165	5.315
16296	14	7.822	23.646	16368*	55	20.524	24.410					16516*	49	17.148	2.700	16588	28	7.179	5.308
16297	12	8.235	23.056	16369	11	21.405	24.372					16517	27	17.920	2.080	16589	15	7.466	5.516
16298	22	8.868	23.555	16370	18	21.416	24.028					16518	36	18.955	2.858	16590	13	8.059	5.517
16299	18	9.335	23.040	16371	17	21.435	24.187					16519	20	20.562	2.411	16591	34	10.764	5.128
16300	13	11.155	23.986	16372	26	22.094	24.636					16520	29	21.262	2.592	16592	15	12.104	5.552
16301	14	11.186	23.956	16373	20	22.294	24.578					16521*	35	22.922	2.290	16593	22	12.519	5.498
16302	15	15.166	23.978	16374	14	23.008	24.144					16522	46	25.383	2.618	16594	22	14.370	5.088
16303	20	15.300	23.987	16375	14	23.608	24.846					16523	11	1.911	3.312	16595	15	15.754	5.724
16304	16	16.714	23.270	16376	19	24.920	24.285					16524*	36	2.050	3.809	16596	20	19.666	5.088
16305	23	16.982	23.604	16377	18	25.797	24.088					16525	26	3.806	3.499	16597	30	21.514	5.786
16306	14	17.088	23.598	16378	17	0.006	25.366					16526*	36	3.814	3.590	16598	35	21.671	5.078
16307	21	17.150	23.636																

16606*	90	5-000	6-750	16678	18	13-468	8-672	16750	13	19-840	10-441	16822	17	19-635	12-764	16894	16	20-878	14-204
16607	11	5-850	6-964	16679	10	14-061	8-001	16751	40	19-910	10-918	16823	25	21-036	12-984	16895	10	21-230	14-620
16608	23	8-444	6-618	16680	22	15-350	8-178	16752*	150	20-378	10-900	16824	15	22-364	12-731	16896	14	21-438	14-950
16609	19	10-750	6-528	16681	31	17-470	8-296	16753	28	20-448	10-508	16825	10	22-675	12-048	16897	13	21-882	14-566
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16616*	47	15-193	6-778	16688	41	24-773	8-958	16760	10	21-989	10-800	16832	21	5-108	13-418	16904	20	25-391	14-044
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16648*	44	16-614	7-782	16720	10	24-234	9-265	16792	12	17-204	11-880	16864	13	22-958	13-806	16936	12	24-650	15-482
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16656*	44	20-515	7-400	16728	32	2-442	10-732	16800	44	25-408	11-369	16872	21	1-196	14-788	16944	10	3-128	16-050
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16668*	43	6-485	8-145	16740															

16966	11	15.892	16.741	17038	10	23.789	18.196	17110	26	25.028	21.129	17182	40	14.222	24.900	17273	8	0.343	1.820
16967	30	15.966	16.525	17039	10	2.345	19.740	17111	20	25.236	21.970	17183	10	15.207	24.102	17274	17	1.762	1.484
16968	28	16.870	16.484	17040	28	4.173	19.579	17112	15	25.296	21.018	17184	15	16.100	24.389	17275	9	1.787	1.918
16969	24	18.222	16.349	17041	10	4.349	19.148	17113	34	4.333	22.602	17185	12	19.949	24.420	17276	20	4.078	1.038
16970	22	18.440	16.872	17042	17	5.031	19.068	17114	14	5.400	22.017	17186	19	20.904	24.413	17277	8	5.880	1.958
16971	23	18.740	16.932	17043	10	6.072	19.596	17115	29	6.042	22.547	17187	31	23.000	24.034	17278	8	6.312	1.136
16972	25	20.354	16.552	17044	29	6.199	19.992	17116	13	6.192	22.780	17188	46	23.200	24.557	17279	8	8.496	1.922
16973	28	20.825	16.150	17045	25	7.102	19.760	17117	31	6.892	22.803	17189	80	23.304	24.484	17280	20	8.753	1.783
16974	14	20.837	16.532	17046	27	9.510	19.484	17118	21	8.577	22.209	17190	16	23.885	24.540	17281	18	9.270	1.737
16975	20	22.544	16.131	17047	43	11.282	19.714	17119	15	9.600	22.972	17191	17	24.274	24.900	17282	8	10.314	1.150
16976	10	23.559	16.427	17048	17	11.644	19.584	17120	14	10.222	22.210	17192	10	25.838	24.930	17283	12	11.388	1.030
16977	12	24.278	16.372	17049	23	11.790	19.668	17121	28	11.111	22.672	17193	12	0.818	25.625	17284	10	12.318	1.860
16978	18	24.370	16.909	17050	11	11.980	19.392	17122	11	11.574	22.750	17194	11	1.258	25.720	17285	14	13.968	1.390
16979	40	25.600	16.327	17051*	36	13.337	19.172	17123	29	12.502	22.744	17195	21	3.514	25.183	17286	10	14.410	1.721
16980	10	1.420	17.519	17052	32	14.648	19.543	17124	12	13.506	22.984	17196	25	4.152	25.272	17287	15	14.423	1.912
16981	10	2.448	17.894	17053	15	15.446	19.376	17125	20	13.958	22.888	17197	17	4.581	25.426	17288	8	15.143	1.654
16982*	37	2.688	17.968	17054	17	16.915	19.755	17126	23	14.006	22.622	17198	20	5.778	25.539	17289*	49	15.192	1.986
16983	12	3.716	17.309	17055	37	17.642	19.984	17127	10	14.243	22.517	17199	30	7.086	25.258	17290	9	15.992	1.420
16984	13	4.242	17.194	17056	25	20.814	19.076	17128	11	14.258	22.070	17200	13	8.818	25.829	17291	10	16.594	1.086
16985	11	5.982	17.542	17057	27	23.666	19.095	17129	20	15.999	22.294	17201	29	9.130	25.790	17292	10	16.797	1.731
16986	11	6.772	17.476	17058	12	23.811	19.641	17130	11	16.313	22.917	17202*	46	11.278	25.180	17293	8	17.815	1.575
16987	24	7.093	17.836	17059	23	25.462	19.401	17131	18	17.138	22.195	17203	28	13.225	25.478	17294	14	20.860	1.110
16988	33	8.495	17.392	17060	12	25.707	19.956	17132	12	17.500	22.741	17204	15	14.400	25.876	17295	8	21.495	1.912
16989	28	10.268	17.602	17061	23	1.042	20.894	17133	12	18.275	22.722	17205	13	15.608	25.982	17296	15	22.153	1.832
16990	24	10.869	17.492	17062	18	2.038	20.582	17134	10	18.805	22.150	17206	75	16.305	25.784	17297	10	22.200	1.392
16991	29	11.578	17.464	17063	11	3.776	20.660	17135	26	19.133	22.247	17207	51	19.424	25.614	17298	17	22.699	1.551
16992	26	11.605	17.469	17064	30	4.038	20.416	17136	14	20.267	22.043	17208*	45	19.630	25.070	17299	9	23.186	1.482
16993	26	11.608	17.867	17065	20	4.750	20.431	17137	17	20.362	22.760	17209	33	23.119	25.358	17300	9	24.080	1.594
16994	26	13.394	17.872	17066	23	6.328	20.170	17138	32	21.118	22.448	17210	37	24.802	25.455	17301	10	24.250	1.417
16995	18	13.546	17.723	17067	13	6.588	20.207	17139	34	23.106	22.540					17302*	23	0.687	2.552
16996	12	14.026	17.830	17068	14	6.786	20.020	17140	10	23.270	22.710					17303	19	2.184	2.107
16997	17	14.406	17.419	17069	30	8.362	20.906	17141	33	24.069	22.360					17304*	50	3.149	2.846
16998	39	14.473	17.779	17070	29	8.635	20.460	17142	11	25.350	22.606					17305	10	3.859	2.506
16999	38	15.984	17.116	17071	25	9.037	20.128	17143	10	25.386	22.596					17306	12	4.186	2.274
17000	21	18.771	17.386	17072	25	9.361	20.670	17144	12	0.201	23.168					17307	10	4.866	2.565
17001	16	19.190	17.129	17073	27	9.839	20.128	17145	21	3.120	23.152					17308	11	5.958	2.024
17002	17	19.630	17.409	17074	16	11.382	20.160	17146*	41	4.554	23.243					17309	9	6.024	2.499
17003	11	19.797	17.226	17075	31	14.139	20.899	17147	16	5.084	23.242					17310	8	6.724	2.110
17004*	44	19.929	17.037	17076*	61	15.688	20.256	17148	16	5.268	23.183					17311	10	8.822	2.396
17005	28	21.131	17.756	17077	34	18.630	20.652	17149*	51	5.333	23.138					17312	25	9.439	2.306
17006	26	21.524	17.252	17078	32	18.690	20.628	17150	10	9.342	23.613					17313	25	9.986	2.622
17007	28	23.452	17.839	17079	11	18.939	20.620	17151	10	9.364	23.606					17314	20	10.192	2.501
17008	17	23.960	17.704	17080	13	19.390	20.562	17152	25	9.914	23.686					17315	8	10.852	2.912
17009	14	0.490	18.628	17081	39	20.915	20.700	17153	13	10.666	23.471					17316	21	10.964	2.500
17010	22	1.151	18.707	17082	16	22.760	20.927	17154	21	11.078	23.934					17317	15	11.618	2.330
17011	32	2.206	18.904	17083	12	22.820	20.388	17155	22	11.248	23.450					17318	23	12.400	2.370
17012	40	3.014	18.675	17084	21	24.028	20.401	17156*	40	11.636	23.154					17319	12	13.244	2.200
17013	26	3.515	18.886	17085	45	0.674	21.084	17157	24	12.536	23.926					17320	11	13.864	2.495
17014	14	3.676	18.700	17086	58	0.734	21.020	17158	13	13.562	23.026					17321	8	15.216	2.155
17015	33	4.166	18.280	17087	16	2.193	21.802	17159	19	13.856	23.263					17322	8	16.967	2.370
17016	12	4.282	18.442	17088	10	2.560	21.986	17160	14	13.876	23.713					17323	20	17.968	2.114
17017	16	6.800	18.184	17089	14	4.222	21.312	17161	16	17.981	23.228					17324	8	18.520	2.626
17018	17	7.786	18.772	17090	39	5.022	21.272	17162	18	18.085	23.368					17325	9	18.946	2.187
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17747*	38	23-600	13-596	17819	8	21-390	15-044	17891	11	19-390	17-996	17963	16	18-894	19-112	18035	10	13-411	21-464
17748	22	23-924	13-642	17820	11	21-464	15-326	17892	14	21-468	17-921	17964	15	19-057	19-244	18036	8	14-308	21-914
17749	8	0-764	14-698	17821*	19	23-086	15-804	17893	8	22-606	17-344	17965	22	19-860	19-752	18037	21	14-579	21-433
17750	10	0-892	14-068	17822*	40	23-207	15-548	17894	9	22-954	17-458	17966	13	19-863	19-804	18038	8	15-090	21-466
17751	10	1-403	14-499	17823	21	23-450	15-876	17895	11	23-762	17-312	17967	8	19-878	19-523	18039	17	15-186	21-409
17752	8	1-838	14-176	17824	13	24-902	15-027	17896	10	25-741	17-182	17968	28	20-019	19-812	18040	10	15-222	21-000
17753	8	2-232	14-903	17825	10	0-510	16-396	17897	8	25-784	17-800	17969	25	20-268	19-814	18041	9	15-248	21-057
17754	15	2-427	14-262	17826	22	1-554	16-052	17898	8	0-176	18-867	17970	13	20-587	19-788	18042	22	16-798	21-042
17755	14	2-798	14-120	17827	9	1-878	16-242	17899	13	1-445	18-092	17971	8	25-563	19-160	18043	8	17-352	21-308
17756	11	3-327	14-270	17828	23	1-918	16-175	17900	8	1-786	18-443	17972	8	0-854	20-649	18044	9	17-546	21-390
17757	25	3-725	14-068	17829	9	1-952	16-224	17901	8	2-934	18-290	17973	10	2-058	20-648	18045	8	17-991	21-494
17758	8	3-737	14-832	17830	9	2-248	16-612	17902	15	5-494	18-760	17974	10	3-729	20-177	18046*	33	19-710	21-176
17759	13	4-053	14-714	17831	8	2-930	16-662	17903	21	5-579	18-302	17975	21	5-296	20-214	18047	10	20-546	21-070
17760	12	4-686	14-128	17832*	31	3-570	16-549	17904	18	5-898	18-882	17976	13	5-630	20-182	18048	9	21-098	21-254
17761	10	5-125	14-156	17833	8	5-812	16-310	17905	20	7-052	18-997	17977	10	7-124	20-788	18049	18	21-514	21-060
17762	10	5-194	14-860	17834	17	8-378	16-914	17906	8	7-212	18-747	17978	8	8-927	20-636	18050	19	21-792	21-887
17763	11	6-398	14-773	17835	10	9-094	16-170	17907*	69	7-436	18-244	17979	11	10-036	20-114	18051	11	22-860	21-377
17764	26	7-455	14-236	17836	20	9-095	16-248	17908	9	7-617	18-000	17980*	43	10-070	20-938	18052	21	23-145	21-144
17765	8	7-474	14-886	17837	9	9-646	16-172	17909	9	7-867	18-140	17981	10	10-298	20-168	18053	19	23-228	21-994
17766	20	7-653	14-240	17838	10	10-008	16-468	17910	24	7-976	18-230	17982	10	10-482	20-554	18054	21	24-473	21-473
17767	13	8-744	14-142	17839	8	10-874	16-3												

18065	19	5.804	22.684	18137	14	8.324	24.261	18206	10	3.620	0.636	18278	28	16.865	1.384	18350	27	2.482	3.616
18066	10	6.322	22.822	18138	11	11.393	24.317	18207	35	3.820	0.716	18279	10	17.115	1.710	18351	13	2.578	3.686
18067	9	9.250	22.322	18139	8	12.352	24.176	18208	10	5.488	0.561	18280	25	17.406	1.205	18352	20	2.844	3.714
18068	12	10.088	22.488	18140	15	13.166	24.436	18209	10	5.975	0.218	18281	32	17.666	1.004	18353*	29	4.330	3.198
18069	9	10.123	22.119	18141	10	14.111	24.169	18210	13	7.552	0.634	18282	11	18.230	1.320	18354	21	4.684	3.014
18070	29	10.194	22.227	18142	12	14.662	24.352	18211	14	9.416	0.314	18283	10	18.280	1.328	18355	10	4.920	3.030
18071	33	10.432	22.512	18143	15	16.106	24.642	18212	15	9.576	0.486	18284*	48	19.540	1.752	18356	13	5.412	3.068
18072	25	11.004	22.670	18144	8	16.713	24.788	18213	17	10.144	0.300	18285	25	19.757	1.451	18357	26	7.722	3.396
18073	8	11.419	22.637	18145	13	19.540	24.267	18214	23	10.742	0.342	18286	20	20.160	1.758	18358	16	7.909	3.770
18074	15	11.573	22.542	18146	8	21.923	24.754	18215	22	10.752	0.398	18287	10	20.420	1.780	18359	16	8.460	3.852
18075	16	12.090	22.464	18147	8	22.015	24.154	18216	29	11.508	0.616	18288	10	20.432	1.152	18360	27	8.490	3.603
18076	36	12.318	22.255	18148	16	22.124	24.066	18217	27	11.842	0.510	18289	30	21.632	1.390	18361	16	8.979	3.475
18077	8	12.768	22.514	18149	10	22.275	24.428	18218	35	11.884	0.636	18290	10	21.710	1.145	18362	29	9.066	3.122
18078	11	14.332	22.938	18150	13	22.578	24.232	18219	27	12.030	0.010	18291	36	21.837	1.788	18363	26	9.444	3.079
18079	10	14.594	22.608	18151	17	22.912	24.527	18220	12	14.480	0.380	18292*	44	22.102	1.643	18364	29	10.064	3.131
18080	11	15.256	22.446	18152	11	23.650	24.992	18221	27	14.824	0.420	18293	10	22.112	1.231	18365	30	10.880	3.644
18081	9	16.652	22.596	18153	8	23.836	24.383	18222	21	16.426	0.816	18294*	51	23.380	1.914	18366	31	11.400	3.496
18082*	48	18.359	22.705	18154	8	24.332	24.270	18223	18	16.700	0.879	18295	27	24.163	1.525	18367	10	11.500	3.567
18083	8	18.414	22.336	18155	17	24.919	24.276	18224	31	16.754	0.566	18296*	50	24.328	1.748	18368	11	11.816	3.926
18084	9	18.493	22.614	18156	12	25.966	24.770	18225	10	17.561	0.240	18297	27	24.466	1.698	18369	23	12.700	3.962
18085	8	18.714	22.398	18157	16	1.223	25.614	18226	14	17.674	0.290	18298	11	24.468	1.091	18370	28	13.448	3.946
18086	8	21.128	22.404	18158	12	2.373	25.138	18227	15	18.904	0.280	18299	11	24.659	1.838	18371	14	13.744	3.240
18087	13	21.938	22.078	18159	8	2.905	25.816	18228	11	19.462	0.920	18300	25	25.488	1.010	18372	10	13.910	3.120
18088	10	22.637	22.121	18160	24	2.910	25.687	18229	43	19.746	0.405	18301	9	0.378	2.120	18373	27	14.446	3.125
18089	9	23.310	22.340	18161	8	3.936	25.148	18230	14	20.599	0.354	18302	17	0.516	2.550	18374	11	14.449	3.336
18090	9	23.577	22.818	18162	8	4.511	25.668	18231	10	21.080	0.780	18303	30	1.172	2.265	18375	13	14.634	3.018
18091	10	23.657	22.170	18163	14	5.828	25.156	18232	10	21.590	0.982	18304	10	1.858	2.374	18376	10	14.904	3.593
18092	16	25.348	22.692	18164	10	5.878	25.600	18233	19	21.836	0.310	18305	18	2.100	2.693	18377	11	17.897	3.794
18093	9	25.504	22.004	18165*	30	5.883	25.184	18234	39	22.585	0.606	18306	33	2.769	2.444	18378	11	17.928	3.181
18094	13	25.719	22.138	18166*	44	8.186	25.198	18235	22	23.630	0.742	18307	16	3.952	2.100	18379	26	18.098	3.458
18095	9	2.946	23.985	18167	9	8.548	25.750	18236	34	24.264	0.102	18308	14	4.005	2.959	18380	9	19.417	3.800
18096	9	3.541	23.438	18168	14	9.925	25.855	18237	28	24.516	0.752	18309	12	5.248	2.322	18381	10	19.946	3.122
18097	8	5.335	23.812	18169	12	10.562	25.106	18238	19	25.514	0.426	18310	17	5.788	2.161	18382*	34	20.094	3.334
18098	25	5.395	23.974	18170	12	10.944	25.306	18239	10	0.160	1.515	18311	14	6.527	2.980	18383	30	20.411	3.930
18099	10	6.394	23.710	18171	8	11.156	25.074	18240	25	1.214	1.822	18312	14	6.759	2.334	18384	11	20.465	3.110
18100	10	6.786	23.844	18172	15	12.383	25.287	18241	34	1.712	1.974	18313	16	6.846	2.030	18385	17	20.800	3.274
18101	17	6.978	23.872	18173	8	12.792	25.886	18242	12	1.800	1.816	18314	10	7.164	2.263	18386	9	21.050	3.692
18102	11	7.194	23.064	18174	21	15.708	25.640	18243	10	2.137	1.294	18315	20	7.200	2.600	18387	14	21.817	3.334
18103	8	8.364	23.048	18175	49	17.630	25.860	18244	16	2.201	1.899	18316	29	7.745	2.071	18388	13	21.946	3.638
18104	8	8.458	23.208	18176	9	18.052	25.237	18245	14	3.100	1.997	18317	11	8.224	2.524	18389	22	22.910	3.318
18105	19	8.881	23.842	18177	41	18.370	25.765	18246	26	3.266	1.817	18318*	36	9.118	2.136	18390	20	24.560	3.690
18106	19	10.142	23.682	18178	28	19.827	25.284	18247	34	3.372	1.198	18319	14	9.848	2.850	18391	11	24.850	3.230
18107	10	10.641	23.500	18179	8	21.234	25.477	18248	13	4.040	1.532	18320	26	10.312	2.438	18392	26	24.898	3.580
18108	8	11.337	23.521	18180	8	23.524	25.968	18249	28	4.260	1.138	18321	26	11.258	2.656	18393	34	25.194	3.654
18109	21	11.620	23.461	18181	24	24.264	25.209	18250	12	4.946	1.733	18322	23	12.363	2.024	18394	17	25.444	3.550
18110	16	13.555	23.788	18182	27	25.895	25.630	18251	22	5.030	1.626	18323	13	13.224	2.912	18395	17	0.127	4.265
18111	11	13.877	23.600					18252	17	5.106	1.244	18324	13	13.390	2.988	18396	11	0.456	4.454
18112	9	14.284	23.976					18253	11	5.516	1.887	18325	18	13.926	2.951	18397	11	0.490	4.758
18113	31	14.334	23.528					18254	12	6.332	1.570	18326	21	14.516	2.474	18398	14	1.496	4.405
18114	24	16.047	23.559					18255	15	6.374	1.598	18327	31	14.599	2.841	18399	23	2.454	4.307
18115	8	17.120	23.628					18256	18	6.790	1.302	18328	17	14.800	2.710	18400*	52	2.488	4.846
18116	16	19.459	23.682					18257	14	7.126	1.314	18329	18	16.584	2.806	18401	23	2.640	4.256
18117	10	20.080	23.174					18258	28	7.528	1.550	18330	27	16.765	2.310	18402	11	3.678	4.131
18118	10	20.300	23.595					18259	31	7.756	1.116	18331	10	17.276	2.466	18403	28	4.164	4.475
18119	10	20.643	23.980					18260	16	8.320	1.543	18332	11	18.220	2.275	18404	22	5.458	4.751
18120	14	21.150	23.901					18261*	34	8.810	1.872	18333	18	18.844	2.851	18405	14	6.065	4.400
18121	12	21.423	23.387					18262	14	9.384	1.116	18334	13	19.093	2.090	18406	14	6.950	4.198
18122	14	23.365	23.786					18263	10	9.630	1.380	18335	28	19.390	2.664	18407	26	7.000	4.700
18123	10	24.116	23.444					18264	23	9.787	1.000	18336	10	19.415	2.177	18408	20	7.570	4.850
18124	33	24.317	23.941					18265	22	10.544	1.052	18337	12	19.924	2.000	18409	10	7.832	4.636
18125	22	24.824	23.922					18266	14	10.884	1.045	18338	40	20.952	2.130	18410	30	8.922	4.882
18126	19	1.087	24.293					18267*	58	11.778	1.570	18339	20	21.678	2.779	18411	19	10.494	4.775
18127*	39	1.290	24.809					18268	27	11.792	1.557	18340	26	21.825	2.622	18412	15	10.640	4.030
18128*	69	1.384	24.739					18269	17	11.825	1.031	18341	22	22.923	2.775	18413	11	11.580	4.716
18129	10	1.978	24.786					18270	28	12.206	1.242	18342*	60	23.084	2.973	18414	29	12.422	4.146
18130	8																		

18422	10	16.657	4.060	18494	10	25.280	5.566	18566	32	14.652	7.185	18638	10	21.002	8.816	18710	11	4.850	10.415
18423*	33	17.190	4.621	18495	12	25.558	5.196	18567*	40	15.396	7.852	18639	12	21.260	8.650	18711	15	4.910	10.357
18424*	34	17.876	4.306	18496	14	25.758	5.622	18568	33	15.910	7.735	18640	10	22.220	8.370	18712	13	4.909	10.729
18425	11	18.882	4.712	18497	15	0.498	6.420	18569	33	16.215	7.572	18641	14	23.078	8.777	18713	10	5.490	10.672
18426	30	19.168	4.044	18498	11	1.466	6.232	18570	14	16.478	7.984	18642	29	23.372	8.374	18714	11	6.058	10.584
18427	10	20.260	4.973	18499*	42	2.026	6.070	18571	10	17.548	7.690	18643*	34	24.779	8.872	18715	28	6.298	10.454
18428	22	20.502	4.757	18500*	53	2.162	6.550	18572	9	19.638	7.453	18644	10	24.971	8.332	18716	13	6.960	10.023
18429	29	20.604	4.770	18501	18	2.953	6.756	18573	12	19.952	7.202	18645	13	25.082	8.540	18717	22	7.646	10.236
18430	24	20.932	4.747	18502	13	3.126	6.764	18574*	47	20.090	7.495	18646	13	25.907	8.392	18718	10	8.340	10.352
18431	18	22.850	4.324	18503*	34	3.474	6.431	18575	28	20.480	7.633	18647	37	0.452	9.414	18719	16	8.872	10.070
18432*	35	22.924	4.984	18504	29	4.124	6.550	18576	28	20.566	7.634	18648	14	1.793	9.450	18720	11	9.054	10.250
18433*	32	22.982	4.662	18505	9	4.154	6.774	18577	11	20.643	7.694	18649	10	3.090	9.430	18721	11	9.600	10.857
18434	29	23.388	4.396	18506	26	5.047	6.360	18578	19	21.665	7.940	18650	10	3.387	9.166	18722	23	9.762	10.806
18435	9	25.360	4.600	18507	10	5.292	6.032	18579	13	22.810	7.606	18651	14	3.604	9.163	18723	9	9.910	10.220
18436	30	25.730	4.252	18508	9	5.984	6.025	18580*	46	23.676	7.629	18652	11	4.350	9.450	18724	10	10.431	10.380
18437	46	25.974	4.038	18509	11	6.092	6.190	18581	13	23.770	7.164	18653	10	4.861	9.802	18725	10	10.809	10.880
18438	10	0.812	5.046	18510	12	6.180	6.021	18582	25	25.966	7.061	18654	11	5.294	9.638	18726	10	11.060	10.016
18439*	48	2.230	5.270	18511	12	6.464	6.175	18583	11	25.972	7.826	18655	17	5.830	9.660	18727*	29	11.419	10.563
18440	21	2.364	5.106	18512	16	7.014	6.602	18584	30	0.484	8.014	18656	13	5.914	9.740	18728	26	11.470	10.570
18441	11	2.590	5.444	18513	13	8.489	6.536	18585	12	0.762	8.121	18657	12	6.125	9.002	18729	13	12.440	10.576
18442	18	3.304	5.154	18514	12	9.843	6.770	18586	29	1.276	8.841	18658	10	6.462	9.516	18730	14	13.294	10.988
18443	14	3.796	5.222	18515	10	10.026	6.139	18587	11	1.322	8.146	18659	12	7.318	9.560	18731	10	13.336	10.307
18444	22	4.094	5.894	18516	9	10.230	6.706	18588	10	1.753	8.950	18660	11	7.526	9.119	18732	10	13.668	10.806
18445	22	4.334	5.692	18517	10	10.632	6.769	18589*	36	2.184	8.131	18661	10	8.128	9.535	18733*	38	13.917	10.371
18446	29	5.696	5.930	18518	10	11.150	6.948	18590	12	2.297	8.662	18662	19	9.670	9.535	18734*	52	14.164	10.048
18447	10	6.199	5.070	18519	14	11.210	6.917	18591	12	2.318	8.565	18663	29	9.788	9.700	18735	11	15.209	10.735
18448	25	6.373	5.755	18520*	30	13.721	6.592	18592*	50	2.885	8.954	18664	14	10.714	9.062	18736*	37	15.668	10.752
18449	10	6.651	5.278	18521	24	14.010	6.250	18593	19	3.571	8.262	18665	10	10.984	9.524	18737	19	16.890	10.724
18450	14	7.024	5.364	18522	10	14.371	6.992	18594	12	3.624	8.819	18666	12	11.380	9.978	18738	23	16.946	10.850
18451	15	7.524	5.226	18523	11	14.475	6.872	18595	28	4.432	8.200	18667	14	12.532	9.772	18739	30	17.792	10.234
18452	17	7.800	5.660	18524	33	14.742	6.780	18596	12	4.980	8.802	18668	10	13.450	9.973	18740	9	18.044	10.712
18453	10	7.878	5.413	18525	12	15.478	6.318	18597	12	5.135	8.182	18669	12	13.748	9.878	18741	15	18.066	10.029
18454*	35	7.910	5.108	18526	13	16.279	6.606	18598	12	5.467	8.596	18670	17	13.990	9.916	18742	15	18.424	10.727
18455	16	8.290	5.466	18527	10	16.400	6.708	18599	27	6.224	8.540	18671	10	15.024	9.584	18743	17	18.578	10.641
18456	15	8.482	5.489	18528	21	17.487	6.256	18600	10	6.404	8.683	18672	15	15.464	9.800	18744*	37	18.734	10.278
18457	14	8.743	5.384	18529	15	17.558	6.116	18601	21	7.696	8.347	18673	10	15.643	9.237	18745	11	19.084	10.010
18458	16	8.775	5.560	18530	10	17.658	6.046	18602	9	8.674	8.530	18674	18	16.246	9.809	18746	13	19.270	10.120
18459	10	9.154	5.620	18531	10	18.290	6.552	18603	10	9.599	8.108	18675*	45	16.836	9.504	18747	13	19.356	10.497
18460*	47	10.558	5.161	18532	9	18.806	6.828	18604*	40	9.625	8.615	18676	15	17.100	9.034	18748*	40	20.321	10.550
18461	20	11.390	5.430	18533	21	18.900	6.724	18605	18	9.696	8.185	18677	10	18.344	9.470	18749*	39	20.433	10.914
18462	10	11.950	5.117	18534	10	19.348	6.706	18606	9	9.750	8.768	18678	15	18.420	9.330	18750*	42	20.856	10.933
18463	32	13.916	5.760	18535	18	19.735	6.506	18607	13	10.109	8.920	18679	29	19.320	9.381	18751	10	21.255	10.100
18464	11	14.022	5.305	18536	19	20.710	6.820	18608	9	10.136	8.290	18680	10	19.882	9.636	18752	22	21.540	10.324
18465	10	14.678	5.080	18537	10	20.729	6.170	18609	12	10.644	8.445	18681	9	20.050	9.899	18753	10	21.820	10.382
18466	24	14.842	5.570	18538	11	21.130	6.876	18610	12	10.710	8.610	18682	25	20.428	9.952	18754	10	22.124	10.424
18467	16	15.255	5.752	18539	11	21.406	6.459	18611	10	10.744	8.614	18683	16	21.222	9.327	18755	13	22.385	10.638
18468	20	15.284	5.620	18540	15	22.296	6.562	18612	10	11.670	8.708	18684	24	22.024	9.388	18756	26	22.566	10.740
18469	10	15.676	5.311	18541	19	22.490	6.310	18613	9	12.514	8.184	18685	21	23.830	9.876	18757	10	23.050	10.701
18470	16	15.760	5.190	18542	32	23.482	6.220	18614	10	12.746	8.692	18686	25	24.498	9.352	18758	15	23.776	10.906
18471*	31	16.410	5.540	18543	18	23.894	6.650	18615	15	13.674	8.755	18687	25	0.094	10.028	18759	10	24.185	10.210
18472	10	16.582	5.226	18544	26	24.566	6.097	18616	13	13.712	8.200	18688	10	0.325	10.015	18760	13	24.472	10.015
18473	21	16.870	5.540	18545	15	24.900	6.030	18617	21	13.782	8.788	18689	20	0.487	10.360	18761	11	24.639	10.500
18474*	52	17.600	5.050	18546	10	24.978	6.323	18618	31	13.976	8.777	18690	16	0.763	10.766	18762	13	25.359	10.987
18475	26	17.647	5.064	18547	29	1.726	7.294	18619	17	14.169	8.940	18691	10	1.030	10.955	18763	16	25.428	10.374
18476	15	17.784	5.141	18548	11	3.170	7.050	18620	23	14.920	8.320	18692	11	1.132	10.436	18764	14	25.649	10.971
18477	10	17.805	5.094	18549	14	5.530	7.245	18621	17	15.094	8.841	18693	11	1.410	10.155	18765	26	0.100	11.289
18478	16	18.057	5.326	18550	23	5.760	7.480	18622	10	15.676	8.290	18694	10	1.740	10.202	18766	11	1.100	11.930
18479	16	18.111	5.606	18551	15	6.100	7.124	18623	27	15.704	8.590	18695	11	1.776	10.356	18767	19	1.836	11.618
18480	11	18.200	5.226	18552*	35	6.461	7.944	18624	14	16.250	8.178	18696*	36	2.364	10.846	18768	14	1.976	11.815
18481	12	18.632	5.495	18553	10	6.773	7.340	18625	12	16.590	8.873	18697	24	2.438	10.340	18769	14	2.075	11.747
18482	14	18.670	5.265	18554	11	7.305	7.066	18626	10	18.100	8.369	18698	22	2.630	10.657	18770	20	2.630	11.957
18483	27	20.282	5.975	18555	14	7.686	7.477	18627	11	18.748	8.525	18699*	31	3.545	10.746	18771	15	2.704	11.120
18484	40	20.744	5.266	18556	9	7.815	7.336	18628	20	18.833	8.791	18700	12	3.568	10.700	18772	29	3.070	11.592
18485																			

18782	10	8-990	11-320	18854	23	17-164	12-900	18926	10	24-476	13-224	18998	10	9-220	15-856	19070	10	18-074	16-723
18783	18	9-051	11-115	18855	22	17-460	12-066	18927	11	24-900	13-740	18999	18	9-750	15-106	19071	10	18-390	16-125
18784	10	10-916	11-548	18856	17	17-817	12-610	18928	10	25-770	13-070	19000	15	10-572	15-556	19072	21	18-423	16-247
18785	23	11-050	11-912	18857	20	18-230	12-494	18929	10	0-510	14-800	19001	31	10-644	15-599	19073	10	18-833	16-140
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18787*	33	11-693	11-336	18859	11	18-509	12-806	18931	26	1-280	14-001	19003	10	11-833	15-064	19075	14	20-104	16-386
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18790	12	12-412	11-004	18862	13	19-134	12-447	18934*	44	2-785	14-010	19006	31	14-840	15-096	19078	16	21-036	16-749
18791	10	12-787	11-073	18863*	45	19-245	12-112	18935	30	3-114	14-054	19007	15	14-872	15-022	19079	25	21-166	16-574
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18795	22	14-116	11-174	18867	30	20-870	12-054	18939	27	5-920	14-026	19011	10	16-131	15-144	19083	33	22-746	16-384
18796	10	15-981	11-506	18868	23	20-990	12-316	18940*	56	7-158	14-608	19012	31	16-891	15-172	19084	10	23-060	16-592
18797	14	17-420	11-848	18869	30	21-300	12-923	18941	14	8-156	14-541	19013	15	17-121	15-200	19085	10	23-804	16-400
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18799*	31	18-880	11-217	18871	10	22-392	12-916	18943	22	9-344	14-679	19015	10	20-190	15-819	19087	27	24-312	16-721
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18802	10	19-814	11-148	18874*	34	24-169	12-350	18946	26	10-930	14-110	19018	12	20-528	15-920	19090	18	25-402	16-270
18803*	52	19-871	11-162	18875	10	24-494	12-778	18947	10	11-674	14-236	19019	24	21-168	15-724	19091	11	25-722	16-250
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18805	11	20-254	11-217	18877	14	25-154	12-110	18949	16	12-790	14-808	19021	16	21-877	15-224	19093	20	25-822	16-060
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18807	24	20-460	11-440	18879	10	1-421	13-940	18951	40	14-586	14-889	19023	20	22-185	15-100	19095	9	0-784	17-156
18808	11	21-476	11-665	18880	15	1-746	13-338	18952	11	15-580	14-876	19024	15	22-944	15-772	19096	14	1-767	17-556
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18814	29	22-794	11-932	18886	10	4-556	13-640	18958	19	17-070	14-862	19030	34	25-280	15-548	19102	22	3-004	17-726
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18836*	26	6-875	12-506	18908	10	15-276	13-430	18980	15	3-788	15-260	19052	10	12-810	16-730	19124	16	12-694	17-276
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18842*	48	10-538	12-020	18914	46	17-299	13-468	18986*	45	5-666	15-654	19058	10	15-574	16-064	19130*	44	16-598	17-608
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19142	20	21.320	17.622	19214	10	24.703	18.822	19286	19	2.344	20.926	19358*	54	4.308	21.694	19430	14	9.172	22.746
19143	18	22.116	17.855	19215	20	24.727	18.440	19287	32	2.412	20.456	19359	21	4.604	21.226	19431	11	9.488	22.161
19144*	49	22.206	17.859	19216	48	25.037	18.410	19288	10	2.600	20.324	19360	10	4.688	21.398	19432	14	9.950	22.405
19145*	27	22.406	17.933	19217	18	25.510	18.504	19289	36	3.138	20.626	19361	19	5.910	21.615	19433	10	10.015	22.707
19146	28	23.644	17.250	19218	21	25.780	18.911	19290	12	3.754	20.870	19362	22	6.186	21.578	19434	31	10.108	22.784
19147	32	23.690	17.010	19219	10	25.855	18.075	19291	10	4.372	20.720	19363	25	6.654	21.600	19435	17	10.508	22.492
19148	14	23.744	17.740	19220	27	25.911	18.060	19292	9	4.534	20.132	19364	26	7.084	21.551	19436	12	10.626	22.442
19149	16	23.976	17.480	19221	25	1.420	19.200	19293	11	5.050	20.894	19365	10	7.740	21.220	19437	10	11.040	22.812
19150	17	24.044	17.500	19222	10	1.734	19.553	19294	27	5.084	20.918	19366	18	9.638	21.080	19438	8	11.056	22.786
19151	19	24.336	17.978	19223	13	1.775	19.160	19295	26	5.650	20.262	19367	26	9.950	21.239	19439	19	11.075	22.470
19152	13	24.375	17.490	19224	15	2.548	19.752	19296	16	5.654	20.635	19368	32	10.601	21.734	19440	8	11.100	22.774
19153	14	24.428	17.570	19225	33	2.765	19.062	19297	13	5.807	20.151	19369	26	11.482	21.834	19441	10	11.180	22.328
19154	12	24.438	17.603	19226	17	4.464	19.886	19298	31	6.646	20.160	19370*	52	11.600	21.500	19442	22	11.380	22.846
19155	10	24.800	17.808	19227	20	4.834	19.544	19299	12	7.013	20.850	19371	13	11.645	21.607	19443	19	11.718	22.932
19156	10	24.836	17.460	19228	17	5.501	19.176	19300	11	7.170	20.830	19372	19	12.082	21.610	19444	11	11.816	22.126
19157	28	24.864	17.276	19229	14	6.534	19.818	19301	22	7.174	20.028	19373	29	13.686	21.020	19445	27	12.588	22.276
19158	18	25.066	17.610	19230	12	7.140	19.700	19302	10	7.988	20.356	19374	28	14.235	21.610	19446	18	12.651	22.092
19159	10	25.094	17.236	19231	15	7.272	19.516	19303	22	8.480	20.200	19375	24	14.260	21.058	19447	11	14.762	22.366
19160	13	25.886	17.962	19232	16	7.278	19.182	19304	15	11.010	20.261	19376	31	14.270	21.074	19448	10	14.808	22.890
19161	27	0.718	18.366	19233	15	7.890	19.874	19305	10	11.295	20.900	19377	16	15.744	21.480	19449	20	15.212	22.564
19162	13	2.466	18.927	19234	14	9.844	19.490	19306	13	11.559	20.267	19378	15	15.766	21.484	19450	34	15.926	22.234
19163	10	3.136	18.434	19235	10	10.064	19.826	19307	17	11.560	20.117	19379	23	16.044	21.916	19451	16	16.100	22.762
19164	10	3.168	18.080	19236	10	10.391	19.770	19308	10	11.620	20.340	19380	27	16.351	21.508	19452	19	16.542	22.484
19165	23	4.030	18.830	19237	10	10.709	19.222	19309	10	11.734	20.156	19381	15	16.425	21.670	19453	18	16.586	22.956
19166	12	4.996	18.592	19238	19	10.953	19.880	19310	20	11.890	20.482	19382	10	16.540	21.650	19454	45	17.053	22.094
19167	14	5.036	18.185	19239	28	11.910	19.935	19311	11	12.301	20.782	19383	21	17.620	21.300	19455	29	17.774	22.196
19168	10	5.132	18.552	19240	17	12.543	19.628	19312	10	13.082	20.168	19384	17	17.684	21.650	19456	13	18.311	22.583
19169	13	5.167	18.305	19241	14	12.561	19.526	19313	10	13.164	20.155	19385	26	17.756	21.716	19457	35	18.923	22.485
19170	14	5.866	18.735	19242	14	12.591	19.549	19314	31	13.604	20.216	19386	14	17.846	21.194	19458	11	19.284	22.371
19171*	51	5.923	18.336	19243	27	12.865	19.410	19315	35	13.857	20.770	19387	14	18.135	21.991	19459	10	19.335	22.785
19172	10	6.425	18.361	19244	10	12.916	19.660	19316	19	14.392	20.703	19388	14	18.263	21.961	19460	11	20.061	22.498
19173	27	7.395	18.658	19245	25	13.212	19.108	19317	11	14.704	20.980	19389	16	19.010	21.994	19461	14	20.063	22.280
19174	12	7.562	18.700	19246	28	13.237	19.186	19318	25	15.375	20.771	19390	33	19.216	21.140	19462	20	20.282	22.912
19175	14	8.035	18.370	19247	10	13.962	19.820	19319	12	15.860	20.420	19391	11	19.664	21.290	19463	19	21.206	22.464
19176	17	8.114	18.940	19248	11	14.200	19.302	19320	20	16.190	20.158	19392	10	19.820	21.732	19464	11	22.725	22.466
19177	11	8.374	18.533	19249	15	14.476	19.220	19321	21	16.560	20.015	19393	13	19.910	21.401	19465	22	23.000	22.149
19178	19	8.591	18.080	19250	11	14.626	19.384	19322	10	16.610	20.487	19394	11	20.072	21.730	19466*	40	23.072	22.831
19179	10	9.206	18.576	19251	11	14.850	19.697	19323	10	18.983	20.544	19395	29	20.211	21.504	19467	11	23.307	22.926
19180	15	9.528	18.090	19252	14	15.438	19.240	19324	11	19.212	20.456	19396	10	20.741	21.102	19468	11	23.534	22.864
19181	20	10.000	18.492	19253	10	15.745	19.518	19325	13	19.283	20.992	19397	17	20.923	21.630	19469	39	23.568	22.580
19182	22	12.200	18.012	19254	26	15.933	19.702	19326	27	19.512	20.701	19398	23	21.257	21.340	19470	21	23.772	22.880
19183	10	12.354	18.990	19255	28	16.234	19.029	19327	10	19.900	20.742	19399	43	21.550	21.453	19471	13	23.970	22.830
19184	10	12.413	18.656	19256	10	17.622	19.830	19328	10	19.910	20.304	19400	20	22.127	21.696	19472	35	24.441	22.278
19185	12	13.306	18.124	19257	11	18.400	19.076	19329	27	20.462	20.232	19401	30	22.348	21.029	19473	12	25.348	22.820
19186	16	14.037	18.206	19258	14	18.650	19.671	19330	13	20.764	20.746	19402	27	22.846	21.286	19474	34	25.367	22.490
19187	11	14.690	18.065	19259	16	19.160	19.456	19331	18	20.882	20.286	19403	42	23.224	21.116	19475	24	25.792	22.544
19188	10	15.080	18.802	19260	36	19.322	19.370	19332	14	21.319	20.485	19404	16	23.285	21.712	19476	29	0.756	23.838
19189	10	15.261	18.114	19261	13	19.380	19.270	19333	15	21.334	20.842	19405	27	23.326	21.420	19477	13	1.795	23.220
19190	17	15.984	18.680	19262*	49	19.576	19.020	19334	27	21.724	20.533	19406	16	23.532	21.360	19478	17	2.900	23.233
19191	36	16.515	18.269	19263	10	19.850	19.170	19335	25	21.912	20.230	19407	10	24.036	21.294	19479	15	3.355	23.131
19192	10	17.124	18.652	19264	14	21.318	19.227	19336*	80	22.674	20.666	19408	28	24.682	21.078	19480	23	3.450	23.855
19193	29	17.685	18.210	19265	15	21.618	19.934	19337	11	22.718	20.022	19409	16	25.562	21.718	19481	10	4.501	23.176
19194	32	17.703	18.164	19266	29	22.074	19.578	19338	11	23.180	20.594	19410	21	0.443	22.858	19482	17	4.634	23.170
19195	18	18.148	18.980	19267	28	22.078	19.555	19339	10	23.228	20.332	19411	13	1.080	22.706	19483	31	4.671	23.085
19196	20	18.331	18.566	19268	10	22.140	19.274	19340	16	23.740	20.824	19412	34	1.100	22.328	19484	8	5.331	23.394
19197*	31	18.824	18.212	19269	10	22.840	19.420	19341	35	23.840	20.572	19413	28	1.251	22.519	19485	12	6.202	23.100
19198	29	19.106	18.796	19270	12	22.873	19.237	19342	12	24.240	20.411	19414	27	1.950	22.553	19486	17	6.590	23.944
19199	13	19.430	18.973	19271	10	23.127	19.092	19343	28	24.688	20.592	19415	32	2.540	22.416	19487	14	6.594	23.950
19200	10	20.074	18.656	19272	10	23.178	19.538	19344	32	25.034	20.722	19416	19	2.628	22.760	19488	28	6.634	23.972
19201	16	20.169	18.086	19273	16	23.390	19.464	19345	11	25.106	20.053	19417	16	2.829	22.100	19489	27	6.890	23.566
19202	10	20.230	18.644	19274	19	23.428	19.702	19346	36	25.968	20.120	19418	14	2.915	22.929	19490	26	7.826	23.947
19203*	40	20.616	18.135	19275	24	23.438	19.451	19347	31	0.400	21.704	19419</							

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19506	23	13-114	23-066	19578	14	16-722	24-767	19650	13	15-120	25-340	19719	31	12-760	0-826	19791	28	25-111	1-031
19507	13	13-412	23-976	19579	11	16-757	24-988	19651	16	15-139	25-286	19720	23	13-204	0-297	19792	36	25-962	1-845
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19509	10	15-199	23-898	19581	10	17-036	24-320	19653	22	15-728	25-944	19722	13	14-801	0-117	19794*	60	1-081	2-002
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19512	10	16-410	23-372	19584*	57	17-196	24-668	19656	10	17-150	25-742	19725	22	15-580	0-167	19797	35	2-210	2-970
19514	12	16-509	23-047	19585	15	17-789	24-517	19657	10	17-510	25-078	19726	11	17-140	0-234	19798	14	2-518	2-288
19513	22	16-794	23-838	19586	10	17-870	24-030	19658	19	19-075	25-180	19727	29	17-432	0-628	19799	12	4-799	2-355
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19517	14	17-432	23-450	19589	11	19-640	24-774	19661	27	20-150	25-448	19730	27	18-598	0-111	19802	20	6-950	2-113
19518*	96	17-448	23-960	19590	10	21-055	24-810	19662	34	20-282	25-680	19731	52	19-010	0-076	19803	11	7-130	2-162
19519	12	17-449	23-862	19591	21	21-528	24-874	19663	13	20-422	25-803	19732	14	19-200	0-755	19804	14	7-272	2-810
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19568																			

19859	19	14.162	3.960	19931	30	25.281	4.602	20003	18	11.054	6.838	20075	40	1.148	8.458	20147	35	24.540	9.325
19860	14	15.132	3.300	19932	13	25.983	4.794	20004	12	11.180	6.086	20076*	40	2.562	8.940	20148	35	25.340	9.838
19861	17	15.559	3.955	19933	11	0.387	5.355	20005	12	11.925	6.860	20077	12	3.684	8.446	20149	13	25.361	9.847
19862	27	15.845	3.316	19934	42	0.662	5.075	20006	16	11.994	6.334	20078	20	4.123	8.655	20150	39	25.626	9.265
19863	11	15.968	3.281	19935	20	1.450	5.252	20007	35	12.195	6.577	20079	17	4.129	8.550	20151	12	0.190	10.734
19864	27	15.988	3.624	19936	14	1.649	5.794	20008*	67	13.535	6.841	20080	23	4.712	8.859	20152	36	0.372	10.834
19865	12	16.009	3.101	19937	17	2.720	5.220	20009*	60	13.590	6.786	20081	12	5.193	8.816	20153	12	1.583	10.986
19866	30	16.814	3.730	19938	12	3.506	5.680	20010	13	13.855	6.692	20082*	46	5.361	8.534	20154	11	2.270	10.086
19867	34	16.889	3.512	19939	15	4.392	5.174	20011	18	14.501	6.936	20083*	53	7.441	8.659	20155	15	3.227	10.432
19868	44	16.980	3.156	19940	29	4.772	5.919	20012	22	15.040	6.130	20084	30	8.014	8.270	20156	25	3.960	10.732
19869	42	17.150	3.012	19941	44	6.276	5.500	20013	27	15.536	6.786	20085	13	8.110	8.845	20157	40	4.438	10.318
19870	22	17.351	3.486	19942	27	6.854	5.050	20014	10	15.550	6.219	20086	40	8.156	8.075	20158*	63	5.042	10.828
19871	33	17.428	3.960	19943	40	7.116	5.116	20015	40	15.710	6.778	20087	47	8.541	8.805	20159	13	5.535	10.800
19872	13	18.486	3.308	19944	16	9.907	5.577	20016	13	15.760	6.176	20088*	64	8.680	8.404	20160	13	6.605	10.045
19873	12	19.425	3.599	19945	12	10.438	5.059	20017	13	16.636	6.240	20089	38	8.977	8.931	20161	13	7.216	10.716
19874	14	20.874	3.565	19946	13	11.649	5.098	20018*	50	16.704	6.155	20090	32	10.380	8.340	20162	17	7.920	10.007
19875	23	21.225	3.230	19947	21	12.249	5.224	20019	27	17.920	6.228	20091	30	10.454	8.182	20163	16	8.853	10.896
19876	45	21.350	3.792	19948	36	12.427	5.514	20020	25	18.644	6.140	20092	28	10.500	8.054	20164	28	8.871	10.355
19877	42	22.072	3.620	19949	12	13.269	5.628	20021	15	21.195	6.695	20093	22	10.516	8.920	20165*	80	9.291	10.374
19878	12	22.135	3.937	19950*	58	13.499	5.383	20022	42	21.592	6.015	20094	28	12.217	8.936	20166	26	10.160	10.210
19879	12	23.046	3.450	19951	10	14.125	5.655	20023	56	21.641	6.844	20095	36	12.448	8.518	20167*	178	11.458	10.366
19880	16	24.511	3.602	19952	11	14.456	5.913	20024	36	22.671	6.084	20096	32	15.150	8.455	20168	52	13.338	10.710
19881	76	25.130	3.598	19953	13	14.624	5.609	20025	21	22.851	6.128	20097	30	15.954	8.080	20169	10	13.502	10.154
19882	13	0.580	4.414	19954	11	15.424	5.604	20026	50	23.390	6.638	20098	27	16.485	8.452	20170*	51	13.780	10.622
19883	40	0.716	4.754	19955	24	15.542	5.686	20027	33	23.636	6.546	20099*	40	17.263	8.253	20171	14	14.290	10.804
19884	34	1.120	4.480	19956	10	15.656	5.444	20028	15	24.075	6.521	20100*	36	17.900	8.524	20172	28	14.385	10.784
19885*	39	3.460	4.310	19957	35	15.916	5.384	20029*	68	24.155	6.706	20101	11	18.034	8.254	20173	16	14.689	10.116
19886	51	3.698	4.096	19958	12	16.101	5.622	20030	12	24.483	6.982	20102	25	18.725	8.820	20174	13	15.676	10.831
19887	19	3.986	4.232	19959	20	16.200	5.671	20031	38	24.623	6.592	20103	40	18.810	8.808	20175	29	15.838	10.170
19888	14	4.179	4.542	19960	40	16.558	5.358	20032	40	24.787	6.758	20104	23	18.946	8.253	20176	16	15.979	10.864
19889	12	4.590	4.730	19961	13	16.672	5.546	20033	14	24.826	6.142	20105*	65	21.120	8.762	20177	38	16.060	10.429
19890	12	4.864	4.210	19962	38	16.944	5.778	20034	40	24.926	6.923	20106	32	21.892	8.202	20178	14	17.270	10.630
19891*	53	5.685	4.498	19963	40	17.541	5.843	20035	50	25.220	6.372	20107	28	22.871	8.598	20179	15	17.792	10.316
19892	33	6.459	4.996	19964	30	17.930	5.438	20036	29	25.932	6.408	20108	16	25.618	8.840	20180	11	18.038	10.445
19893	22	6.616	4.535	19965	15	17.956	5.974	20037*	55	1.445	7.711	20109	35	1.626	9.955	20181	42	18.204	10.316
19894	11	6.667	4.208	19966	11	18.482	5.774	20038	37	3.730	7.116	20110	33	2.286	9.424	20182	51	18.564	10.454
19895	28	7.067	4.752	19967	28	18.824	5.208	20039	13	3.954	7.418	20111	28	4.288	9.590	20183	10	18.666	10.940
19896*	67	7.375	4.488	19968*	60	19.188	5.476	20040*	46	4.292	7.525	20112	23	4.955	9.052	20184	34	19.420	10.070
19897*	52	8.444	4.132	19969	38	19.265	5.463	20041	31	4.607	7.350	20113	29	5.802	9.189	20185	16	19.471	10.535
19898	23	8.865	4.485	19970*	58	19.420	5.469	20042	17	6.636	7.488	20114	15	6.737	9.187	20186	12	19.700	10.593
19899	33	9.915	4.624	19971	10	19.734	5.466	20043	18	7.626	7.305	20115	23	8.227	9.439	20187	20	20.166	10.734
19900	15	9.951	4.111	19972	32	20.080	5.156	20044	33	8.674	7.574	20116	28	8.310	9.034	20188	44	21.146	10.903
19901	16	10.160	4.646	19973	40	20.460	5.196	20045	19	9.405	7.402	20117	40	8.451	9.014	20189	40	21.160	10.112
19902	14	10.845	4.130	19974	35	21.068	5.762	20046	24	11.754	7.466	20118	24	9.316	9.705	20190	13	21.166	10.988
19903	52	12.581	4.998	19975	50	21.152	5.226	20047	15	11.920	7.632	20119	40	9.323	9.873	20191	14	22.526	10.598
19904	33	12.945	4.643	19976	13	21.816	5.642	20048	21	12.671	7.540	20120	42	9.633	9.307	20192*	67	23.034	10.997
19905	16	14.505	4.730	19977	15	22.597	5.183	20049	13	13.686	7.726	20121	18	9.961	9.244	20193	14	23.198	10.718
19906	34	14.576	4.999	19978	31	22.945	5.290	20050	48	13.882	7.066	20122	18	10.584	9.174	20194	11	24.606	10.868
19907	35	14.706	4.022	19979	11	23.034	5.325	20051	13	13.924	7.516	20123	36	11.261	9.008	20195	24	25.496	10.250
19908	33	14.965	4.934	19980	12	23.454	5.671	20052	23	13.980	7.372	20124	10	11.749	9.922	20196	18	0.053	11.906
19909	13	14.990	4.285	19981	16	23.806	5.645	20053	11	14.154	7.005	20125	14	11.979	9.632	20197	28	0.636	11.606
19910	37	15.345	4.765	19982	12	24.122	5.410	20054	14	14.238	7.722	20126	11	11.982	9.157	20198	11	1.956	11.964
19911	11	15.467	4.017	19983	60	24.856	5.487	20055	30	14.262	7.998	20127	12	12.204	9.200	20199	34	2.350	11.304
19912	26	16.428	4.710	19984	30	24.974	5.646	20056	13	15.042	7.299	20128	14	12.670	9.316	20200	12	3.089	11.266
19913	30	17.089	4.472	19985	11	25.466	5.150	20057	38	15.447	7.038	20129	22	12.985	9.313	20201	12	3.167	11.046
19914	17	18.014	4.586	19986	60	25.720	5.274	20058	33	17.488	7.006	20130	28	13.581	9.189	20202*	100	3.372	11.776
19915	30	18.455	4.512	19987	15	0.053	6.661	20059	29	18.330	7.918	20131	40	13.780	9.646	20203	19	3.457	11.030
19916	10	18.516	4.380	19988	18	0.246	6.406	20060	38	18.980	7.551	20132	25	14.013	9.436	20204	19	3.836	11.674
19917	50	18.550	4.750	19989	38	1.235	6.306	20061	16	19.276	7.786	20133	38	14.168	9.617	20205	31	4.872	11.366
19918	22	19.964	4.205	19990	23	1.652	6.728	20062	21	19.822	7.150	20134*	40	14.695	9.840	20206	35	5.084	11.015
19919	57	20.386	4.194	19991	30	2.316	6.168	20063	40	19.939	7.938	20135	31	15.144	9.334	20207	28	5.303	11.682
19920	12	21.408	4.340	19992	25	2.654	6.098	20064	27	20.134	7.125	20136	24	16.045	9.188	20208	26	6.050	11.984
19921	15	21.941	4.536	19993	11	4.880	6.799	20065	44	21.492	7.595	20137	17	16.848	9.826	20209	14	7.385	11

20219	36	13.023	11.474	20291*	39	20.624	12.036	20363	40	11.970	14.372	20435	12	23.390	15.302	20507	12	8.426	17.562
20220	19	13.764	11.581	20292	24	21.205	12.519	20364	32	13.230	14.288	20436	26	23.773	15.480	20508	40	8.952	17.228
20221	35	14.289	11.224	20293	18	21.402	12.048	20365	50	13.630	14.386	20437	15	23.809	15.906	20509	14	9.021	17.856
20222	25	14.417	11.886	20294	50	21.500	12.985	20366	12	13.915	14.374	20438	31	23.915	15.045	20510	38	9.469	17.476
20223	36	14.520	11.277	20295*	64	21.762	12.142	20367	48	14.384	14.489	20439	32	24.215	15.211	20511	28	9.634	17.293
20224	15	14.808	11.824	20296	19	22.389	12.284	20368	37	16.917	14.717	20440	52	24.814	15.564	20512	60	10.286	17.426
20225	10	16.406	11.529	20297	28	23.475	12.307	20369	38	16.978	14.434	20441	40	25.121	15.324	20513	23	10.383	17.385
20226	18	16.870	11.863	20298	32	23.702	12.380	20370	38	17.718	14.522	20442	42	0.620	16.475	20514	27	11.405	17.148
20227	11	16.902	11.480	20299	44	24.294	12.732	20371	32	18.015	14.520	20443	10	1.850	16.252	20515*	44	13.600	17.352
20228	50	17.270	11.175	20300	60	24.515	12.225	20372	22	18.138	14.934	20444	28	2.188	16.793	20516	38	13.618	17.011
20229	34	17.400	11.154	20301	36	25.310	12.640	20373	22	18.215	14.142	20445	51	2.304	16.818	20517	10	13.700	17.679
20230	17	17.418	11.736	20302	10	25.604	12.130	20374*	60	19.155	14.535	20446	15	2.321	16.431	20518	21	14.460	17.449
20231	25	17.851	11.480	20303	43	25.856	12.622	20375	12	19.330	14.566	20447	17	3.274	16.330	20519	52	15.167	17.712
20232	40	18.040	11.549	20304	20	0.345	13.674	20376	56	19.420	14.245	20448	12	3.595	16.304	20520*	34	16.740	17.996
20233	10	18.816	11.762	20305	20	0.761	13.845	20377	18	19.435	14.910	20449	12	3.622	16.660	20521	38	17.976	17.765
20234	45	18.950	11.280	20306*	40	2.185	13.380	20378	12	20.555	14.572	20450	19	3.692	16.113	20522	18	18.338	17.701
20235	45	20.285	11.736	20307	11	2.315	13.290	20379	24	20.650	14.104	20451	12	4.606	16.694	20523	14	18.968	17.727
20236	19	20.546	11.198	20308	12	3.980	13.976	20380	15	20.662	14.000	20452	42	4.698	16.710	20524	22	19.080	17.839
20237	12	21.234	11.567	20309	14	4.600	13.813	20381	27	21.890	14.110	20453	47	4.895	16.456	20525	28	19.321	17.114
20238	33	21.308	11.896	20310	11	7.220	13.395	20382	15	22.335	14.317	20454	38	6.250	16.102	20526	36	19.772	17.808
20239	37	21.497	11.604	20311	39	7.515	13.127	20383	11	23.014	14.664	20455	20	7.940	16.934	20527	11	20.095	17.714
20240	29	21.940	11.928	20312*	40	7.633	13.446	20384	12	23.432	14.306	20456	12	8.159	16.986	20528	44	20.316	17.060
20241	28	22.184	11.983	20313	33	7.804	13.945	20385	31	23.482	14.572	20457	10	9.959	16.340	20529	20	21.354	17.186
20242	38	22.356	11.190	20314	50	8.692	13.480	20386	18	23.686	14.752	20458	33	9.976	16.966	20530	48	21.711	17.643
20243	18	22.620	11.778	20315	13	10.082	13.888	20387*	50	23.920	14.600	20459	34	10.980	16.890	20531	40	22.429	17.784
20244	30	23.328	11.885	20316	33	11.135	13.202	20388*	54	24.183	14.320	20460	26	13.281	16.404	20532	11	22.524	17.836
20245	55	23.652	11.658	20317	19	11.276	13.027	20389	40	24.424	14.910	20461	29	15.024	16.370	20533	32	23.406	17.654
20246	40	23.738	11.117	20318	38	11.892	13.722	20390	36	25.728	14.009	20462*	45	15.128	16.043	20534	28	23.788	17.470
20247	29	24.488	11.794	20319	12	12.472	13.652	20391	18	0.044	15.199	20463	12	15.720	16.652	20535	10	24.313	17.182
20248	15	24.900	11.486	20320	17	12.700	13.815	20392	11	0.810	15.861	20464*	60	15.802	16.878	20536	29	24.421	17.986
20249	13	25.686	11.488	20321	18	13.654	13.418	20393	35	1.398	15.374	20465*	80	16.760	16.369	20537	60	25.292	17.919
20250	60	25.819	11.081	20322	23	14.474	13.307	20394	35	2.278	15.675	20466	52	17.017	16.645	20538	32	0.298	18.029
20251	42	25.936	11.794	20323	19	14.911	13.398	20395	40	3.142	15.609	20467	35	17.140	16.657	20539	45	0.662	18.575
20252	37	0.615	12.025	20324*	52	16.231	13.399	20396	13	4.188	15.888	20468	24	18.294	16.082	20540	12	1.064	18.115
20253*	40	1.994	12.426	20325	15	16.272	13.434	20397	30	4.814	15.484	20469	19	19.778	16.787	20541	12	1.376	18.093
20254	12	2.846	12.190	20326	33	16.576	13.496	20398	25	4.846	15.262	20470	12	20.552	16.762	20542	10	1.396	18.866
20255	15	2.975	12.174	20327	13	16.684	13.786	20399	19	5.673	15.014	20471	56	20.930	16.560	20543	34	1.465	18.896
20256*	57	3.879	12.500	20328	30	17.140	13.451	20400	18	6.075	15.780	20472	32	21.090	16.444	20544	22	2.228	18.048
20257	25	3.926	12.737	20329	30	17.988	13.274	20401	18	6.670	15.888	20473	22	21.157	16.544	20545	40	2.444	18.856
20258	22	4.334	12.746	20330	11	18.083	13.154	20402	20	7.710	15.318	20474	11	21.262	16.898	20546	21	2.624	18.507
20259	10	5.028	12.490	20331	16	18.844	13.910	20403	16	8.065	15.180	20475	10	21.324	16.854	20547*	60	2.930	18.475
20260	12	5.570	12.215	20332	13	19.065	13.220	20404	38	8.115	15.111	20476	16	21.330	16.953	20548	14	3.415	18.564
20261	18	6.166	12.538	20333	13	19.848	13.968	20405	25	8.840	15.090	20477	24	21.576	16.942	20549	22	3.689	18.964
20262	19	6.910	12.892	20334	11	20.696	13.334	20406	15	9.138	15.135	20478	37	21.600	16.712	20550	35	3.804	18.112
20263*	60	7.245	12.392	20335	11	20.860	13.364	20407	32	9.249	15.731	20479	50	22.423	16.060	20551	45	5.012	18.398
20264	25	7.320	12.984	20336	27	21.749	13.444	20408	31	10.116	15.593	20480	42	23.425	16.684	20552	29	5.020	18.704
20265	12	7.475	12.621	20337	24	22.368	13.580	20409	31	13.086	15.825	20481	16	23.460	16.073	20553	37	5.706	18.790
20266	19	7.920	12.394	20338	10	23.216	13.800	20410	28	13.271	15.414	20482	40	23.603	16.427	20554	32	5.905	18.410
20267	39	8.045	12.380	20339	12	23.555	13.232	20411	34	13.830	15.202	20483	11	25.228	16.128	20555	12	5.960	18.420
20268	27	8.150	12.549	20340	16	23.808	13.218	20412	26	14.005	15.674	20484	12	25.904	16.554	20556*	42	6.100	18.195
20269	28	9.148	12.562	20341	21	23.930	13.953	20413	23	14.162	15.437	20485	52	25.921	16.685	20557	47	7.850	18.456
20270	17	10.182	12.195	20342	10	23.996	13.676	20414	28	14.821	15.053	20486	15	0.006	17.954	20558	29	8.069	18.268
20271	19	10.356	12.415	20343	32	24.352	13.976	20415	12	15.104	15.106	20487	58	0.094	17.956	20559	22	8.116	18.245
20272	42	10.524	12.365	20344	16	24.556	13.637	20416	10	15.177	15.786	20488	32	1.528	17.330	20560	51	8.900	18.022
20273	18	11.368	12.214	20345	28	25.198	13.516	20417	14	15.290	15.277	20489	40	1.570	17.090	20561	16	9.106	18.782
20274	26	11.620	12.980	20346	39	25.480	13.822	20418	33	16.776	15.547	20490	10	1.636	17.816	20562	56	9.322	18.352
20275	28	13.550	12.465	20347	22	1.478	14.834	20419	31	17.076	15.544	20491	15	1.860	17.555	20563	13	9.362	18.715
20276	39	14.548	12.550	20348	31	2.107	14.954	20420	20	17.440	15.376	20492	20	1.929	17.573	20564	39	10.540	18.953
20277	14	15.179	12.084	20349	12	2.292	14.392	20421	42	18.526	15.734	20493	11	2.330	17.679	20565	31	11.215	18.100
20278	11	15.692	12.945	20350	46	3.449	14.156	20422	17	18.766	15.572	20494	35	2.748	17.342	20566	17	11.882	18.896
20279	11	15.900	12.992	20351	38	4.228	14.620	20423	17	18.790	15.560	20495	19	2.954	17.673	20567	13	12.084	18.947
20280	18	16.255	12.878	20352*	45	4.350	14.806	20424	40	19.169	15.014	20496*	40	4.30					

20579	20	18-148	18-792	20651	12	25-634	19-813	20723	13	11-855	21-221	20795	43	16-088	22-865	20867	29	21-628	23-306
20580	39	18-740	18-766	20652	88	0-590	20-758	20724	28	12-032	21-196	20796	52	16-200	22-766	20868	26	22-790	23-480
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20583	15	19-876	18-945	20655	34	2-611	20-658	20727	12	13-580	21-134	20799	35	17-416	22-524	20871	12	2-652	24-562
20584	17	20-440	18-878	20656	39	2-958	20-784	20728	31	12-940	21-394	20800	14	17-574	22-703	20872	60	2-880	24-526
20585	44	21-129	18-490	20657	45	3-882	20-174	20729	16	12-960	21-106	20801	17	17-840	22-270	20873	30	3-640	24-944
20586	10	21-560	18-766	20658	17	4-479	20-878	20730	28	14-021	21-548	20802	51	17-869	22-740	20874	35	4-486	24-186
20587	20	21-670	18-172	20659	60	4-904	20-341	20731	14	14-088	21-870	20803	14	18-484	22-990	20875	82	4-800	24-953
20588	11	23-610	18-314	20660	11	5-378	20-500	20732	16	14-128	21-378	20804	19	18-594	22-250	20876	11	4-844	24-076
20589	34	25-252	18-340	20661	23	6-147	20-385	20733	26	14-512	21-165	20805	13	19-088	22-656	20877	80	4-903	24-358
20590	12	25-386	18-258	20662	30	6-252	20-404	20734	11	15-130	21-870	20806	28	19-356	22-758	20878	14	5-168	24-171
20591	13	1-300	19-545	20663	50	6-306	20-908	20735	12	16-170	21-561	20807	18	19-488	22-214	20879	68	5-446	24-289
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20594	33	2-780	19-745	20666	43	7-965	20-610	20738	54	17-511	21-392	20810	56	20-136	22-780	20882	38	6-552	24-260
20595	33	3-773	19-510	20667	21	8-356	20-798	20739	22	17-674	21-251	20811	25	20-462	22-351	20883	12	6-924	24-008
20596	18	3-845	19-052	20668	21	8-460	20-636	20740	10	18-088	21-046	20812	30	20-715	22-762	20884	12	6-956	24-716
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20599	48	4-373	19-614	20671	12	9-796	20-546	20743	111	19-234	21-336	20815	37	21-225	22-845	20887	16	10-124	24-812
20600	44	5-008	19-656	20672	18	10-359	20-898	20744	13	19-421	21-628	20816	40	21-473	22-198	20888	9	10-502	24-166
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20602	17	6-184	19-704	20674	22	11-260	20-634	20746	20	20-924	21-234	20818	16	22-310	22-529	20890	12	12-286	24-590
20603	48	6-772	19-485	20675	16	12-048	20-514	20747	35	21-020	21-144	20819	37	22-658	22-090	20891	14	12-304	24-546
20604	14	7-010	19-553	20676	23	12-386	20-676	20748	13	21-546	21-380	20820	60	22-880	22-229	20892	47	12-404	24-810
20605	16	7-430	19-066	20677	40	12-560	20-178	20749	27	21-908	21-698	20821	13	23-065	22-655	20893	40	12-800	24-312
20606	14	7-886	19-372	20678	28	12-700	20-047	20750	40	22-550	21-456	20822	14	23-480	22-632	20894	13	12-872	24-010
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20626	52	15-105	19-132	20698	17	21-233	20-965	20770	115	7-440	22-086	20842	13	9-686	23-859	20914	17	24-254	24-750
20627	11	15-239	19-564	20699	19	21-983	20-480	20771	30	7-466	22-505	20843	17	9-772	23-884	20915	14	24-320	24-530
20628	16	15-523	19-786	20700	16	24-038	20-320	20772	15	7-894	22-996	20844	47	10-055	23-744	20916	40	25-016	24-222
20629	15	16-447	19-210	20701	62	24-646	20-978	20773	45	8-745	22-288	20845	12	11-982	23-676	20917	32	25-460	24-544
20630	33	16-914	19-665	20702	15	24-789	20-175	20774	33	8-798	22-908	20846	24	12-014	23-455	20918	34	25-801	24-658
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20632	11	17-412	19-717	20704	18	24-852	20-559	20776	24	9-130	22-866	20848	43	12-180	23-138	20920	15	1-127	25-030
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20635	18	18-308	19-945	20707	39	0-276	21-123	20779	10	9-416	22-168	20851	22	14-586	23-607	20923	14	1-478	25-346
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20637	11	19-449	19-809	20709	51	1-153	21-202	20781	24	10-704	22-111	20853	20	15-270	23-510	20925	42	2-560	25-951
20638	48	19-878	19-828	20710	11	1-222	21-796	20782	24	11-341	22-098	20854	29	15-325	23-538	20926	19	3-251	25-446
20639	12	20-390	19-128	20711	30	1-259	21-504	20783	25	11-380	22-116	20855	10	15-584	23-746	20927	32	3-622	25-085
20640	33	20-852	19-881	20712	12	1-464	21-439	20784	48	11-736	22-452	20856	10	16-496					

20939	17	7.986	25.776	21027	31	19.397	0.972	21099	10	19.500	2.078	21171*	27	12.600	4.230	21243	23	17.946	5.946
20940	28	8.125	25.150	21028	28	19.965	0.926	21100	10	19.614	2.530	21172	12	12.975	4.049	21244	20	18.105	5.260
20941	12	8.150	25.861	21029	39	20.410	0.620	21101	20	19.852	2.602	21173*	31	13.132	4.575	21245	18	18.536	5.869
20942	72	8.780	25.919	21030	12	21.096	0.724	21102	10	19.868	2.026	21174	20	13.240	4.401	21246	34	19.486	5.742
20943	38	8.868	25.064	21031	10	21.244	0.872	21103	12	19.960	2.330	21175	12	14.342	4.004	21247	17	19.968	5.906
20944	12	9.200	25.559	21032	16	22.445	0.554	21104	28	20.340	2.266	21176	12	14.524	4.140	21248	19	20.160	5.398
20945	60	9.588	25.940	21033	10	23.300	0.599	21105	10	20.523	2.590	21177	16	14.601	4.205	21249	17	20.408	5.683
20946	53	9.934	25.168	21034	10	23.498	0.500	21106	10	20.586	2.963	21178	23	15.032	4.988	21250	12	20.734	5.032
20947	44	11.390	25.850	21035	11	23.781	0.828	21107	11	21.026	2.478	21179	26	15.160	4.444	21251	10	20.892	5.334
20948	16	11.938	25.990	21036	10	24.899	0.090	21108	21	21.634	2.658	21180	19	15.404	4.951	21252	30	21.258	5.706
20949	33	13.884	25.154	21037	12	24.919	0.240	21109	13	21.686	2.783	21181*	30	16.140	4.316	21253	12	21.280	5.530
20950	16	13.930	25.342	21038	12	25.052	0.872	21110	30	22.108	2.954	21182	13	16.380	4.568	21254	18	22.029	5.870
20951	12	14.770	25.252	21039	26	25.616	0.096	21111	19	22.192	2.544	21183	13	16.766	4.523	21255	20	22.410	5.540
20952	11	15.615	25.925	21040	13	0.208	1.756	21112	11	22.230	2.786	21184	13	17.215	4.934	21256	10	22.474	5.894
20953	11	17.876	25.966	21041	22	1.451	1.388	21113	14	22.428	2.106	21185	31	17.432	4.011	21257	10	22.566	5.876
20954	47	17.950	25.236	21042	11	3.039	1.142	21114	15	22.754	2.131	21186*	37	17.454	4.363	21258	9	22.760	5.544
20955	31	18.140	25.746	21043*	16	3.900	1.942	21115	12	24.058	2.662	21187	18	17.936	4.112	21259	10	23.271	5.224
20956	53	19.451	25.560	21044*	17	4.595	1.938	21116	24	24.602	2.700	21188	10	18.128	4.544	21260	12	23.366	5.170
20957	42	19.527	25.890	21045	14	8.220	1.453	21117	15	24.680	2.626	21189	12	18.526	4.371	21261	10	23.711	5.902
20958	14	20.196	25.192	21046	11	8.940	1.977	21118	12	25.456	2.142	21190	11	19.120	4.465	21262	23	24.080	5.669
20959	13	21.025	25.718	21047	13	9.314	1.786	21119	24	25.669	2.413	21191	10	19.792	4.101	21263	25	24.133	5.389
20960	30	21.642	25.169	21048	12	9.911	1.350	21120	20	0.036	3.777	21192	14	20.166	4.583	21264	19	24.702	5.630
20961	30	23.838	25.150	21049	13	9.932	1.000	21121*	39	3.090	3.710	21193	25	20.350	4.731	21265	32	24.748	5.220
20962	33	24.486	25.474	21050	19	10.399	1.317	21122	16	3.100	3.701	21194	16	20.890	4.768	21266	10	25.090	5.826
				21051	11	10.760	1.801	21123	10	4.340	3.290	21195	10	20.950	4.384	21267	11	25.316	5.996
				21052	13	12.004	1.604	21124	16	4.534	3.092	21196	22	21.542	4.764	21268	13	0.672	6.232
				21053	12	12.061	1.620	21125	18	4.775	3.446	21197	25	21.868	4.729	21269	10	0.852	6.276
				21054	17	12.761	1.942	21126	18	7.666	3.572	21198	27	22.018	4.832	21270	28	1.399	6.775
				21055	10	13.483	1.209	21127	10	7.670	3.206	21199	11	23.198	4.680	21271	12	1.645	6.682
				21056	32	15.540	1.521	21128	12	8.342	3.362	21200*	44	23.316	4.039	21272*	41	2.162	6.832
				21057	12	15.856	1.472	21129	18	9.650	3.509	21201	12	23.661	4.800	21273*	17	2.632	6.710
				21058	32	16.744	1.526	21130	17	9.676	3.250	21202	14	23.807	4.049	21274	19	2.800	6.875
				21059	10	17.014	1.294	21131	21	11.115	3.580	21203	17	24.402	4.230	21275*	26	3.225	6.482
				21060	11	17.700	1.423	21132	11	11.809	3.561	21204	10	24.549	4.272	21276	12	3.937	6.508
				21061	12	18.121	1.109	21133	31	12.349	3.394	21205	12	24.847	4.457	21277	10	4.364	6.809
				21062	27	18.348	1.164	21134	12	13.640	3.374	21206	13	25.126	4.558	21278*	37	5.062	6.959
				21063	18	18.540	1.324	21135	25	14.344	3.125	21207	10	25.220	4.206	21279*	27	5.130	6.938
				21064	32	18.556	1.584	21136	11	15.105	3.848	21208	10	25.372	4.076	21280	10	5.260	6.051
				21065	36	18.930	1.502	21137	24	15.332	3.732	21209	22	25.514	4.448	21281	10	5.478	6.000
				21066*	42	20.439	1.300	21138	10	15.619	3.392	21210	10	25.800	4.129	21282*	20	7.012	6.908
				21067	15	20.688	1.184	21139	12	16.034	3.740	21211	17	0.503	5.149	21283	11	7.942	6.980
				21068	24	21.152	1.797	21140	10	16.074	3.579	21212	10	0.934	5.433	21284	20	8.631	6.704
				21069	18	22.438	1.308	21141	21	17.098	3.192	21213	21	2.841	5.600	21285	10	8.700	6.830
				21070*	41	22.492	1.582	21142	9	17.715	3.230	21214	28	2.850	5.602	21286	10	9.650	6.390
				21071	10	22.621	1.792	21143	21	17.730	3.113	21215	12	2.971	5.762	21287*	35	9.658	6.572
				21072	14	24.241	1.286	21144	14	17.870	3.420	21216*	37	3.706	5.377	21288	13	10.559	6.018
				21073	12	24.705	1.756	21145	32	18.402	3.956	21217*	35	4.443	5.988	21289	10	11.602	6.254
				21074	10	24.846	1.309	21146	14	20.450	3.536	21218	22	4.635	5.158	21290	10	11.862	6.998
				21075	31	25.083	1.182	21147	19	21.228	3.104	21219*	36	4.952	5.798	21291	10	12.664	6.546
				21076	10	25.372	1.774	21148	15	21.404	3.516	21220	12	4.965	5.102	21292	10	13.372	6.850
				21077	31	0.344	2.160	21149*	40	21.805	3.750	21221*	20	6.141	5.432	21293	10	13.664	6.578
				21078*	25	0.983	2.053	21150	20	21.915	3.634	21222	10	7.830	5.780	21294	22	14.114	6.788
				21079	19	1.846	2.118	21151	13	22.345	3.966	21223	20	9.520	5.858	21295	13	14.415	6.442
				21080	10	2.368	2.526	21152	12	22.348	3.094	21224*	33	9.627	5.736	21296	17	15.500	6.749
				21081	10	2.755	2.292	21153	24	22.382	3.464	21225*	44	10.120	5.774	21297	27	17.654	6.126
				21082	10	2.942	2.528	21154	12	22.714	3.930	21226	11	10.147	5.610	21298	10	18.850	6.491
				2108															

21315	22	25.894	6.236	21387	20	14.729	8.628	21459	30	22.572	9.552	21531*	43	18.444	11.764	21603	16	24.824	12.232
21316	33	0.224	7.388	21388	14	15.812	8.278	21460	13	23.022	9.900	21532	14	18.690	11.306	21604	12	24.852	12.425
21317*	42	1.036	7.730	21389	10	15.872	8.386	21461	15	23.038	9.078	21533	12	19.090	11.947	21605	12	24.976	12.876
21318*	37	1.336	7.732	21390	12	15.918	8.998	21462	18	23.073	9.449	21534	21	19.354	11.740	21606	10	25.352	12.088
21319	17	2.940	7.039	21391	11	16.094	8.576	21463	11	23.216	9.211	21535	16	19.484	11.828	21607	13	25.390	12.441
21320	11	4.406	7.084	21392	31	16.114	8.284	21464	10	23.674	9.142	21536	10	19.752	11.970	21608	20	25.687	12.016
21321*	31	5.568	7.390	21393	33	16.312	8.946	21465	10	24.188	9.949	21537	17	20.976	11.448	21609	12	0.486	13.731
21322	10	7.853	7.368	21394	11	16.549	8.325	21466	15	4.542	10.702	21538	10	21.020	11.874	21610	14	3.312	13.626
21323	10	7.875	7.890	21395	13	16.842	8.902	21467	10	4.850	10.523	21539	16	21.311	11.214	21611	17	3.600	13.930
21324	12	7.890	7.008	21396	20	18.107	8.228	21468	10	4.890	10.655	21540	13	22.103	11.797	21612	12	4.294	13.207
21325	10	8.985	7.166	21397	25	18.187	8.634	21469	10	5.456	10.933	21541	16	22.137	11.908	21613*	28	4.708	13.586
21326	17	9.846	7.542	21398	27	18.825	8.648	21470	11	5.808	10.545	21542	12	22.291	11.388	21614*	38	4.762	13.200
21327	29	10.400	7.230	21399	15	19.100	8.880	21471	30	6.376	10.924	21543	11	22.963	11.916	21615	19	5.155	13.428
21328	19	10.711	7.831	21400	10	19.456	8.269	21472	12	6.652	10.750	21544	10	23.070	11.862	21616	35	9.391	13.024
21329	10	11.051	7.656	21401	19	19.550	8.309	21473	20	6.950	10.607	21545	11	23.466	11.478	21617	10	9.833	13.391
21330	17	11.496	7.746	21402	14	19.981	8.295	21474	15	9.354	10.421	21546	13	23.769	11.410	21618	17	12.086	13.542
21331	10	11.783	7.598	21403	10	20.245	8.832	21475	11	9.367	10.065	21547	10	23.958	11.912	21619	14	12.368	13.010
21332	17	12.490	7.454	21404	12	20.924	8.731	21476	29	9.722	10.507	21548	10	23.960	11.879	21620	10	12.372	13.820
21333	13	12.567	7.734	21405	23	21.022	8.812	21477	10	9.785	10.673	21549	46	24.598	11.442	21621	18	12.396	13.736
21334*	38	12.585	7.863	21406	17	21.096	8.160	21478	13	9.965	10.241	21550	13	24.824	11.238	21622*	36	12.432	13.408
21335*	31	12.682	7.959	21407*	35	21.286	8.657	21479*	40	10.939	10.299	21551	20	25.662	11.636	21623*	43	12.517	13.564
21336	14	13.020	7.589	21408	10	21.306	8.786	21480	12	11.321	10.000	21552	12	0.032	12.090	21624	19	14.238	13.193
21337	17	13.088	7.051	21409	18	22.139	8.960	21481	18	11.543	10.066	21553	14	0.275	12.140	21625	10	15.270	13.475
21338	10	13.106	7.854	21410	15	22.262	8.114	21482	13	12.366	10.936	21554	16	1.419	12.024	21626*	41	16.035	13.268
21339	12	13.110	7.809	21411	30	22.356	8.472	21483	10	13.546	10.731	21555	10	1.572	12.446	21627	14	16.772	13.799
21340	10	13.200	7.085	21412	10	22.781	8.050	21484	10	15.473	10.062	21556	14	1.800	12.512	21628	12	17.966	13.230
21341	14	13.557	7.480	21413	18	23.018	8.995	21485	10	15.641	10.950	21557	24	2.398	12.856	21629	11	18.490	13.732
21342	21	13.706	7.027	21414	16	23.092	8.380	21486	26	16.016	10.237	21558*	33	2.608	12.346	21630	10	18.698	13.954
21343	10	14.135	7.355	21415	10	23.178	8.720	21487	12	16.736	10.446	21559	14	3.412	12.748	21631	15	19.110	13.990
21344	10	14.650	7.384	21416*	41	23.598	8.385	21488	12	17.380	10.320	21560	30	3.956	12.722	21632	23	19.162	13.944
21345	23	15.418	7.256	21417	27	24.434	8.274	21489	10	17.868	10.080	21561	30	5.340	12.884	21633*	38	19.499	13.262
21346	22	15.555	7.368	21418	24	24.726	8.261	21490*	42	18.730	10.648	21562	13	5.524	12.582	21634	17	20.234	13.112
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21350*	21	16.086	7.114	21422	23	25.685	8.636	21494*	36	21.130	10.382	21566	13	6.368	12.358	21638	20	21.710	13.069
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21353	10	16.660	7.453	21425	15	1.510	9.407	21497	12	22.612	10.005	21569	15	8.464	12.886	21641	23	23.788	13.853
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21357	10	19.812	7.493	21429*	23	5.360	9.776	21501*	42	1.106	11.141	21573	26	9.726	12.302	21645	10	24.406	13.894
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22060	15	8-384	21-158	22132*	34	12-247	22-392	22204	10	20-661	23-989	22276	28	23-836	24-150	22348	14	25-128	25-808
22061	22	8-739	21-534	22133	25	12-670	22-042	22205	10	20-871	23-410	22277	10	24-000	24-552	22349	14	25-190	25-904
22062	11	9-230	21-400	22134	15	12-814	22-712	22206	10	21-164	23-436	22278	12	24-089	24-719	22350	21	25-833	25-259
22063	15	9-261	21-318	22135	12	14-881	22-770	22207	16	21-372	23-674	22279	17	24-278	24-472				
22064	31	9-478	21-270	22136	23	15-376	22-878	22208	13	21-420	23-708	22280	29	24-481	24-230				
22065	10	10-526	21-635	22137	15	15-462	22-873	22209	10	21-476	23-348	22281	11	24-980	24-472				
22066	10	11-961	21-138	22138	31	15-886	22-854	22210	17	21-776	23-982	22282	10	25-130	24-734				
22067	12	12-666	21-281	22139	14	15-988	22-534	22211	10	21-790	23-020	22283	9	25-532	24-625				
22068	22	12-917	21-732	22140	24	17-416	22-523	22212	22	22-308	23-036	22284	13	2-134	25-279				
22069	10	13-229	21-714	22141	26	17-617	22-684	22213	10	23-416	23-900	22285	19	2-787	25-596				
22070	31	13-940	21-564	22142	16	18-218	22-070	22214	10	23-512	23-111	22286	22	4-320	25-003				
22071*	34	14-898	21-815	22143	12	18-237	22-410	22215	34	23-848	23-406	22287	16	4-497	25-217				
22072	10	14-936	21-874	22144	24	18-508	22-610	22216*	50	24-060	23-338	22288	11	5-111	25-100				
22073	14	15-254	21-250	22145	10	18-603	22-988	22217	26	24-223	23-599	22289	10	5-435	25-743				
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22075	15	15-828	21-260	22147	10	19-204	22-094	22219	10	0-466	24-082	22291	29	6-878	25-664				
22076	10	16-606	21-592	22148	19	20-958	22-982	22220	22	1-068	24-912	22292	12	6-954	25-974				
22077	10	16-740	21-192	22149*	41	21-424	22-092	22221	12	1-072	24-442	22293	14	7-183	25-124				
22078	10	17-307	21-672	22150	14	22-042	22-781	22222	25	1-784	24-983	22294	37	7-336	25-860				
22079	12	18-302	21-376	22151	12	22-094	22-470	22223	11	2-544	24-868	22295	15	7-908	25-844				
22080	10	18-360	21-647	22152	12	22-115	22-756	22224	10	2-605	24-652	22296	10	8-774	25-778				
22081	10	18-725	21-011	22153	10	22-611	22-266	22225	29	3-297	24-333	22297	10	8-964	25-504				
22082	11	19-045	21-085	22154	15	23-475	22-495	22226	21	3-746	24-649	22298	10	9-043	25-708				
22083	29	19-112	21-082	22155	19	24-034	22-589	22227	21	4-088	24-759	22299	12	9-280	25-414				
22084	10	19-510	21-484	22156	28	24-162	22-924	22228	16	4-474	24-474	22300	46	9-504	25-398				
22085	12	19-618	21-396	22157	24	24-395	22-222	22229	19	5-316	24-848	22301	30	9-561	25-762				
22086	20	19-801	21-558	22158	12	24-703	22-943	22230	10	6-968	24-442	22302	22	10-140	25-054				
22087	10	19-894	21-725	22159	21	25-010	22-918	22231	12	7-998	24-688	22303	10	10-703	25-923				
22088	19	20-794	21-580	22160	80	25-061	22-936	22232	31	8-850	24-075	22304	32	10-918	25-721				
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22090	27	21-232	21-033	22162	15	1-058	23-628	22234	18	9-580	24-018	22306	36	11-166	25-893				
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22092	15	21-735	21-948	22164	26	4-766	23-370	22236	11	10-366	24-514	22308	23	12-222	25-400				
22093	10	21-974	21-091	22165	14	5-053	23-927	22237	13	10-558	24-258	22309	12	12-263	25-731				
22094	10	22-142	21-500	22166	10	5-479	23-311	22238	25	10-725	24-702	22310	22	12-650	25-690				
22095	13	22-280	21-540	22167	10	5-516	23-301	22239	11	10-814	24-470	22311*	34	12-959	25-016				
22096	34	23-228	21-151	22168	11	6-726	23-232	22240	29	11-240	24-608	22312	16	13-462	25-200				
22097	12	23-624	21-737	22169*	33	7-710	23-742	22241*	34	11-354	24-650	22313	10	13-768	25-378				
22098	10	23-859	21-120	22170	11	8-584	23-955	22242	12	11-780	24-460	22314	10	14-353	25-833				
22099*	40	24-160	21-210	22171	16	8-590	23-638	22243	24	11-790	24-004	22315	20	14-422	25-394				
22100	38	25-154	21-646	22172	23	8-678	23-786	22244	10	11-892	24-403	22316	10	15-051	25-162				

22423	39	15.334	0.750	22495	13	8.914	2.695	22567	14	3.677	4.560	22639	19	13.783	5.976	22711	23	3.914	7.324
22424	18	15.682	0.554	22496	15	9.214	2.436	22568	19	3.955	4.661	22640	14	14.322	5.635	22712	16	4.035	7.974
22425	44	15.786	0.570	22497	16	9.265	2.025	22569	14	4.046	4.310	22641	18	15.383	5.846	22713	20	4.685	7.542
22426	17	16.817	0.880	22498	15	10.518	2.600	22570	18	4.256	4.026	22642	15	15.568	5.635	22714	15	4.982	7.176
22427	12	17.401	0.186	22499	21	10.836	2.756	22571	30	4.344	4.547	22643	18	15.588	5.974	22715*	59	5.100	7.984
22428	16	17.548	0.265	22500	14	10.999	2.560	22572	14	4.628	4.225	22644	17	15.858	5.346	22716	30	5.588	7.550
22429	40	17.702	0.439	22501	18	11.182	2.645	22573*	55	5.142	4.723	22645	12	16.200	5.562	22717	14	5.794	7.544
22430	40	17.956	0.808	22502*	30	11.542	2.154	22574	13	5.238	4.924	22646	13	16.676	5.100	22718	25	5.877	7.856
22431	38	19.566	0.146	22503	23	12.036	2.658	22575	17	5.423	4.955	22647	23	18.153	5.899	22719	13	6.095	7.495
22432	24	20.776	0.674	22504	15	14.680	2.025	22576	17	5.486	4.700	22648*	40	19.474	5.212	22720	17	6.323	7.724
22433	14	21.003	0.956	22505	14	15.422	2.164	22577	29	5.628	4.164	22649	24	19.798	5.273	22721	14	7.078	7.244
22434	10	21.561	0.422	22506	15	18.738	2.823	22578	14	6.646	4.125	22650	32	21.483	5.185	22722	20	7.824	7.010
22435	18	21.716	0.778	22507	28	19.862	2.908	22579	13	6.664	4.902	22651	17	22.068	5.478	22723	14	7.952	7.886
22436	38	22.535	0.390	22508	20	20.475	2.996	22580	15	6.874	4.406	22652	19	23.856	5.304	22724	16	8.114	7.565
22437	13	23.178	0.024	22509*	37	22.085	2.666	22581	20	7.312	4.452	22653	13	25.284	5.802	22725	13	8.142	7.647
22438	19	23.866	0.384	22510	26	22.700	2.650	22582	14	7.506	4.814	22654	14	25.326	5.086	22726	13	9.690	7.532
22439	43	23.911	0.240	22511*	38	23.668	2.362	22583	23	7.864	4.986	22655	19	0.244	6.320	22727	15	9.895	7.374
22440	22	24.714	0.834	22512	20	23.766	2.315	22584	11	8.544	4.040	22656	10	1.316	6.018	22728	14	9.960	7.254
22441	18	1.243	1.428	22513	35	24.310	2.885	22585*	28	8.570	4.764	22657	17	2.405	6.364	22729	24	11.498	7.874
22442*	54	1.295	1.704	22514	32	24.574	2.734	22586	17	8.709	4.745	22658*	39	3.124	6.262	22730	14	11.875	7.034
22443	18	3.046	1.394	22515	15	25.529	2.960	22587	17	10.123	4.775	22659	13	3.656	6.186	22731	16	12.186	7.336
22444	17	3.512	1.862	22516	21	0.046	3.236	22588	21	11.643	4.016	22660	13	3.808	6.800	22732	24	12.799	7.002
22445*	40	3.885	1.284	22517	15	0.226	3.645	22589	14	12.100	4.215	22661	12	4.058	6.324	22733	14	14.002	7.114
22446	23	4.178	1.875	22518	44	0.626	3.878	22590	19	12.209	4.348	22662	16	4.153	6.098	22734	15	14.506	7.644
22447	17	6.204	1.825	22519	21	0.736	3.761	22591	16	12.726	4.701	22663	13	4.370	6.352	22735	15	14.704	7.226
22448	23	6.378	1.796	22520	37	0.922	3.084	22592	17	13.700	4.025	22664	30	4.544	6.358	22736	14	15.300	7.476
22449	40	6.824	1.184	22521	24	1.203	3.586	22593	23	14.108	4.778	22665	25	4.736	6.330	22737	37	15.615	7.649
22450	40	8.946	1.608	22522	16	2.246	3.865	22594	24	14.428	4.580	22666	34	5.075	6.579	22738	24	17.974	7.891
22451	26	9.350	1.526	22523*	52	2.434	3.770	22595	14	15.140	4.246	22667	13	5.197	6.504	22739	19	18.032	7.105
22452	17	9.811	1.840	22524	16	3.362	3.596	22596	14	15.300	4.246	22668	32	5.484	6.955	22740	21	18.514	7.576
22453	27	11.592	1.480	22525	14	4.340	3.824	22597	13	15.532	4.473	22669*	46	6.038	6.744	22741	16	19.657	7.656
22454	31	11.616	1.396	22526	12	5.106	3.265	22598	13	16.533	4.752	22670	17	6.628	6.580	22742	18	20.238	7.566
22455	30	11.764	1.890	22527	14	5.851	3.293	22599	15	16.634	4.170	22671	19	6.914	6.276	22743	14	20.530	7.906
22456	17	12.116	1.298	22528	26	5.931	3.412	22600	19	19.884	4.632	22672	14	7.070	6.820	22744*	52	20.748	7.873
22457	16	12.700	1.045	22529	28	6.557	3.429	22601	18	20.491	4.770	22673	15	7.392	6.111	22745	26	20.829	7.694
22458	40	12.736	1.814	22530	19	6.691	3.544	22602	15	22.612	4.786	22674	10	7.447	6.158	22746	12	21.318	7.464
22459	39	13.630	1.106	22531	34	6.724	3.584	22603	13	23.869	4.468	22675	28	7.650	6.820	22747	25	22.280	7.401
22460	15	14.766	1.694	22532	15	6.824	3.355	22604	18	24.063	4.872	22676	22	7.928	6.848	22748	21	22.324	7.085
22461	16	18.123	1.824	22533	16	7.432	3.212	22605	17	25.292	4.841	22677	15	9.616	6.900	22749	35	24.194	7.436
22462	16	18.302	1.794	22534*	38	7.561	3.574	22606	39	0.094	5.836	22678	17	10.625	6.483	22750	14	24.676	7.854
22463	37	19.734	1.522	22535	13	7.714	3.585	22607	13	0.118	5.659	22679	22	11.075	6.158	22751	30	24.721	7.735
22464	18	20.315	1.424	22536	17	7.940	3.616	22608	22	0.868	5.996	22680	15	12.028	6.125	22752	36	25.068	7.254
22465	23	20.668	1.836	22537	17	8.164	3.676	22609	21	1.248	5.664	22681	19	12.600	6.060	22753	28	25.206	7.214
22466	15	20.940	1.542	22538	20	8.361	3.126	22610	18	2.202	5.285	22682	24	12.948	6.403	22754	30	25.722	7.580
22467	14	21.850	1.755	22539	15	8.534	3.975	22611	14	2.778	5.782	22683	24	13.322	6.052	22755	26	25.758	7.855
22468	38	22.206	1.904	22540	15	8.595	3.790	22612	17	2.918	5.776	22684	14	14.398	6.734	22756	17	25.791	7.846
22469	22	22.293	1.457	22541	14	9.636	3.285	22613	23	2.970	5.498	22685*	80	16.185	6.688	22757	40	0.148	7.888
22470	14	23.135	1.004	22542	14	9.924	3.266	22614	21	3.541	5.735	22686*	30	16.766	6.121	22758	18	1.122	8.236
22471	14	23.613	1.812	22543	17	10.306	3.754	22615	13	3.550	5.218	22687	20	17.198	6.814	22759	26	1.219	8.596
22472	28	23.974	1.205	22544	15	10.746	3.884	22616*	37	3.581	5.324	22688	17	17.688	6.004	22760	12	1.642	8.174
22473	40	24.048	1.815	22545*	23	10.834	3.550	22617	12	4.188	5.813	22689	17	18.030	6.400	22761	17	1.955	8.500
22474*	42	24.405	1.856	22546*	28	11.098	3.134	22618	17	5.350	5.374	22690*	35	18.089	6.916	22762*	44	2.456	8.500
22475*	50	24.621	1.806	22547	14	11.144	3.275	22619	12	5.626	5.525	22691*	44	18.392	6.720	22763	20	3.296	8.384
22476	42	25.734	1.056	22548	16	11.312	3.835	22620	39	6.076	5.055	22692	15	19.034	6.374	22764	20	3.588	8.365
22477	25	0.450	2.786	22549	22	12.534	3.586	22621	21	6.140	5.212	22693	15	19.352	6.985	22765	14	3.852	8.702
22478	16	0.502	2.911	22550	17	14.900	3.375	22622	12	6.594	5.734	22694	13	19.574	6.488	22766	23	3.954	8.255
22479	14	1.240	2.226	22551*	39	15.784	3.205	22623	38	6.718	5.804	22695	18	19.846	6.040	22767	18	4.550	8.735
22480	15	1.564	2.254	22552*	38	16.862	3.846	22624	14	6.950	5.892	22696	15	19.852	6.824	22768	37	4.556	8.112
22481	14	1.874	2.784	22553	19	18.107	3.058	22625	17	7.594	5.680	22697	18	20.326	6.226	22769	16	5.346	8.757
22482	26	2.418	2.813	22554*	37	22.406	3.692	22626	14	7.654	5.222	22698	19	21.806	6.144	22770*	31	6.398	8.416
22483	20	2.496	2.736	22555	14	23.770	3.933	22627	24	8.909	5.156	22699	37	22.045	6.425	22771	14	7.388	8.233
22484	15	3.080	2.526	22556	38	25.870	3.210	22628*	40	9.265	5.124	22700*	38	22.915	6.125	22772	19	7.524	8.441
22485	21	3.266	2.247	22557	25	0.374	4.895	22629	16	9.432	5.984	22701	21	23.106	6.604	22773	24	7.616	8.439
22486	23	4.482	2.512	22558	21	0.699	4.856	22630	20	9.716</									

22783	16	14.144	8.594	22855	15	6.796	10.090	22927	37	3.262	12.466	22999	30	16.190	13.198	23071	14	2.658	15.662
22784	52	14.708	8.876	22856	37	8.036	10.285	22928	15	3.716	12.336	23000	24	16.334	13.150	23072	40	3.280	15.572
22785	17	14.794	8.920	22857	14	8.092	10.577	22929	14	3.748	12.532	23001	12	17.302	13.200	23073	24	4.472	15.908
22786	17	15.055	8.654	22858	16	8.368	10.066	22930	16	4.286	12.541	23002	15	18.450	13.199	23074	15	4.581	15.892
22787	19	16.044	8.184	22859	24	9.706	10.875	22931	22	4.578	12.115	23003	19	19.319	13.400	23075	15	4.589	15.216
22788	15	16.228	8.836	22860	55	10.260	10.456	22932	10	5.115	12.956	23004	28	19.576	13.612	23076	40	4.918	15.805
22789	14	17.332	8.275	22861	21	12.499	10.230	22933	16	5.462	12.500	23005	17	19.708	13.186	23077	14	4.974	15.380
22790	30	18.046	8.306	22862	53	12.939	10.384	22934	18	5.562	12.655	23006	18	19.740	13.853	23078	34	5.194	15.534
22791	15	19.505	8.274	22863	52	13.518	10.536	22935	38	5.654	12.659	23007	32	20.010	13.459	23079	23	5.574	15.718
22792	30	19.936	8.632	22864	26	13.716	10.145	22936	35	7.948	12.821	23008	15	20.215	13.284	23080	36	5.607	15.030
22793	36	20.919	8.302	22865	12	14.054	10.532	22937	56	8.370	12.246	23009	18	20.902	13.900	23081	23	5.676	15.166
22794	23	21.256	8.692	22866	31	14.312	10.974	22938	20	9.231	12.896	23010	17	21.216	13.514	23082	17	6.414	15.854
22795	40	21.780	8.626	22867	16	15.092	10.604	22939	15	10.322	12.914	23011	20	22.130	13.185	23083	16	6.590	15.200
22796	39	24.100	8.714	22868	24	15.189	10.974	22940	15	10.906	12.285	23012	14	22.815	13.264	23084	14	6.800	15.675
22797	17	24.982	8.225	22869	28	15.450	10.332	22941	16	12.014	12.200	23013	14	23.439	13.554	23085	16	7.498	15.938
22798	38	25.127	8.255	22870	27	16.447	10.594	22942	38	12.276	12.437	23014	23	24.820	13.464	23086	16	8.686	15.911
22799	22	25.380	8.928	22871	18	16.489	10.362	22943	16	14.829	12.310	23015	17	25.238	13.585	23087	19	8.904	15.910
22800	39	0.065	9.404	22872	12	16.735	10.220	22944	14	15.325	12.951	23016	22	25.302	13.795	23088	12	8.960	15.481
22801	26	0.623	9.744	22873	22	16.900	10.156	22945	35	17.365	12.329	23017	26	0.074	14.060	23089	14	9.076	15.966
22802	14	1.354	9.496	22874	13	17.412	10.320	22946	15	17.416	12.378	23018	16	0.762	14.133	23090	36	9.834	15.246
22803	22	1.312	9.365	22875	15	17.447	10.515	22947	21	17.476	12.085	23019	17	1.794	14.376	23091	25	10.236	15.990
22804	30	1.442	9.675	22876	18	17.629	10.582	22948	22	18.526	12.104	23020	40	1.951	14.704	23092	18	10.616	15.456
22805	20	1.884	9.112	22877	28	18.358	10.448	22949	16	18.532	12.536	23021	19	2.256	14.492	23093	14	10.656	15.899
22806	16	1.904	9.199	22878	59	21.036	10.335	22950	18	18.940	12.628	23022	16	2.355	14.172	23094	28	10.862	15.306
22807	17	1.940	9.570	22879	14	21.091	10.681	22951	19	19.443	12.324	23023	17	2.814	14.745	23095	16	10.972	15.024
22808	12	2.083	9.333	22880	16	23.346	10.595	22952	18	19.572	12.875	23024	20	3.736	14.708	23096	16	11.446	15.417
22809	21	5.056	9.986	22881	20	0.196	11.346	22953	30	21.170	12.008	23025	16	3.934	14.416	23097	37	11.621	15.290
22810	21	5.200	9.606	22882	14	0.994	11.924	22954	16	21.400	12.501	23026	44	4.180	14.986	23098	14	11.660	15.921
22811	26	5.524	9.956	22883	12	1.176	11.515	22955	20	21.788	12.226	23027	40	4.474	14.906	23099	14	11.747	15.224
22812	38	5.550	9.280	22884	14	1.624	11.105	22956	18	22.164	12.348	23028	42	5.508	14.372	23100	16	12.090	15.066
22813	18	5.944	9.145	22885	14	1.960	11.983	22957	14	22.470	12.234	23029	18	6.966	14.086	23101	15	12.074	15.652
22814	13	6.482	9.265	22886	14	2.354	11.594	22958	35	22.668	12.816	23030	16	7.126	14.118	23102	40	12.144	15.996
22815	21	7.100	9.684	22887	16	2.656	11.524	22959	16	23.885	12.630	23031	25	7.642	14.411	23103	14	12.400	15.552
22816	38	7.617	9.411	22888	59	3.482	11.546	22960	36	23.964	12.440	23032	21	8.125	14.116	23104	21	12.670	15.674
22817	21	8.603	9.274	22889	15	3.711	11.341	22961	22	24.280	12.364	23033	20	10.006	14.974	23105	18	12.908	15.576
22818	17	8.906	9.296	22890	17	4.549	11.735	22962	30	24.362	12.080	23034	34	10.875	14.086	23106	18	14.816	15.475
22819	14	10.210	9.895	22891	25	4.926	11.482	22963	35	24.412	12.946	23035	39	12.528	14.386	23107	17	15.370	15.256
22820	14	10.690	9.866	22892	20	5.514	11.312	22964	17	25.996	12.649	23036	39	12.689	14.826	23108	13	15.652	15.684
22821	16	11.094	9.014	22893	12	6.186	11.064	22965	26	0.611	13.197	23037	54	12.998	14.934	23109	18	15.962	15.972
22822	15	11.634	9.644	22894	15	6.338	11.891	22966	12	2.256	13.205	23038	35	13.218	14.536	23110	14	16.014	15.559
22823	17	13.021	9.240	22895	15	6.642	11.012	22967	22	2.694	13.966	23039	17	13.805	14.966	23111	12	16.384	15.796
22824	15	13.105	9.290	22896	14	9.226	11.394	22968	18	2.700	13.786	23040	33	13.995	14.036	23112	26	16.996	15.461
22825	70	14.242	9.513	22897	20	9.470	11.080	22969	19	3.601	13.428	23041	21	14.005	14.164	23113	38	17.694	15.416
22826	21	14.248	9.366	22898	15	12.494	11.170	22970	18	3.668	13.570	23042	25	14.412	14.532	23114	30	17.726	15.675
22827	13	15.314	9.484	22899	18	12.586	11.785	22971	17	3.680	13.754	23043	24	14.755	14.868	23115	31	18.062	15.698
22828	68	15.351	9.116	22900	18	12.868	11.905	22972	32	5.304	13.748	23044	18	15.870	14.605	23116	16	18.328	15.476
22829	28	16.284	9.806	22901	24	14.609	11.650	22973	14	5.730	13.874	23045	15	16.250	14.615	23117	38	19.106	15.927
22830	17	16.444	9.835	22902	15	14.906	11.246	22974	23	6.164	13.052	23046	15	16.562	14.124	23118	18	19.766	15.593
22831	14	17.214	9.701	22903	12	16.180	11.417	22975	18	6.300	13.543	23047	24	17.444	14.126	23119	14	20.086	15.679
22832	42	17.264	9.445	22904	39	16.646	11.134	22976	62	6.668	13.174	23048	22	20.032	14.104	23120	16	20.178	15.285
22833	140	17.326	9.416	22905	14	17.194	11.249	22977	18	7.420	13.222	23049	23	20.310	14.884	23121	23	20.855	15.885
22834	34	17.748	9.578	22906	13	17.440	11.882	22978	25	7.476	13.382	23050	22	20.580	14.064	23122	23	22.126	15.489
22835	14	19.206	9.171	22907	14	17.454	11.385	22979	18	8.058	13.355	23051	14	21.349	14.110	23123	16	22.394	15.784
22836	59	19.260	9.835	22908	22	18.006	11.344	22980	16	8.334	13.286	23052	22	22.159	14.322	23124	17	22.799	15.388
22837	15	19.466	9.866	22909	15	18.686	11.072	22981	48	9.000	13.586	23053	18	22.196	14.595	23125	22	23.285	15.535
22838	25	21.002	9.630	22910	22	19.532	11.446	22982	21	9.062	13.572	23054	14	24.052	14.100	23126	32	23.694	15.795
22839	20	21.204	9.405	22911	21	19.745	11.260	22983	26	9.152	13.484	23055	28	24.382	14.530	23127	18	24.914	15.955
22840	23	22.840	9.946	22912	16	20.980	11.886	22984	15	10.020	13.076	23056	96	24.975	14.198	23128	32	25.373	15.285
22841	16	23.042	9.097	22913	16	22.111	11.355	22985	16	10.568	13.065	23057	24	24.996	14.565	23129	17	0.050	16.136
22842	17	23.878	9.565	22914	16	22.260	11.536	22986	12	10.686	13.224	23058	120	25.054	14.152	23130	15	0.916	16.838
22843	24	23.884	9.528	22915	19	22.777	11.050	22987	37	10.894	13.150	23059	20	25.306	14.247	23131	13	0.928	16.974
22844	48	0.006	10.515	22916	28	24.594	11.604	22988	15	11.082	13.706	23060	35	25.915	14.216	23132	19	1.041	16.576

23143	23	6.362	16.036	23215	20	19.388	17.950	23287	13	8.145	19.345	23359*	42	13.954	20.724	23431	25	20.278	21.985
23144	15	6.472	16.164	23216	21	19.718	17.412	23288	18	8.333	19.164	23360	18	14.330	20.100	23432	27	20.384	21.402
23145	16	6.504	16.116	23217	20	20.622	17.781	23289	11	9.217	19.264	23361	22	14.376	20.296	23433	14	20.760	21.985
23146	17	6.624	16.616	23218	16	20.732	17.474	23290	14	9.734	19.456	23362	14	14.558	20.598	23434	22	20.868	21.855
23147	12	6.790	16.500	23219	17	22.128	17.496	23291	11	9.758	19.938	23363	14	14.865	20.634	23435	18	20.962	21.866
23148	16	7.773	16.740	23220	24	22.345	17.256	23292	18	10.649	19.354	23364	13	15.072	20.596	23436	24	21.089	21.310
23149	28	7.786	16.627	23221	25	22.382	17.236	23293	22	11.170	19.867	23365*	31	15.298	20.612	23437	15	21.384	21.336
23150*	30	8.300	16.230	23222	20	22.784	17.920	23294	30	12.339	19.422	23366	23	16.094	20.554	23438	25	21.542	21.636
23151	16	8.913	16.172	23223	29	23.075	17.549	23295	17	12.814	19.355	23367	14	17.064	20.760	23439	32	22.776	21.359
23152	18	8.944	16.556	23224	12	23.878	17.595	23296	17	12.906	19.894	23368	17	17.352	20.945	23440	22	23.057	21.432
23153	22	8.985	16.105	23225	14	23.926	17.135	23297	15	13.050	19.926	23369	20	17.751	20.715	23441	30	23.364	21.534
23154	17	9.094	16.846	23226	14	24.414	17.156	23298	16	13.172	19.338	23370	14	17.816	20.912	23442	23	25.045	21.274
23155	18	9.580	16.643	23227	12	24.808	17.457	23299	16	13.250	19.873	23371	24	18.176	20.354	23443	14	25.945	21.076
23156	40	10.342	16.326	23228	23	25.251	17.876	23300	12	13.262	19.812	23372	22	18.629	20.559	23444	53	0.396	22.224
23157	16	10.544	16.492	23229	38	25.416	17.043	23301	11	13.848	19.750	23373	13	19.813	20.624	23445	18	0.707	22.076
23158	37	11.544	16.814	23230	16	0.200	18.056	23302	14	13.924	19.767	23374	17	19.992	20.593	23446	18	1.022	22.910
23159	37	12.298	16.225	23231	17	0.611	18.064	23303	10	13.950	19.306	23375	18	20.100	20.155	23447	15	1.072	22.596
23160	21	13.616	16.593	23232	20	1.646	18.156	23304	24	14.162	19.004	23376	14	21.195	20.656	23448	17	1.096	22.884
23161	18	13.708	16.450	23233	32	1.736	18.874	23305	17	14.218	19.842	23377	20	21.366	20.834	23449	18	2.452	22.614
23162	19	14.050	16.935	23234	14	1.816	18.128	23306	18	14.595	19.604	23378*	40	21.549	20.302	23450	18	3.014	22.700
23163	16	15.170	16.878	23235	14	4.694	18.656	23307	14	15.224	19.112	23379	14	21.662	20.304	23451	22	3.370	22.329
23164	18	16.550	16.130	23236	18	4.770	18.025	23308	17	15.400	19.310	23380	32	22.276	20.406	23452	25	4.354	22.291
23165	22	17.451	16.435	23237	23	5.100	18.608	23309	14	16.626	19.747	23381	15	22.294	20.908	23453	14	5.894	22.534
23166	14	18.976	16.276	23238	29	5.572	18.655	23310	12	17.275	19.574	23382	14	22.406	20.626	23454	16	6.040	22.415
23167	15	19.194	16.400	23239	15	5.616	18.034	23311	30	17.850	19.424	23383	14	22.539	20.327	23455	22	6.142	22.532
23168	14	19.644	16.756	23240	12	6.182	18.522	23312	23	18.103	19.136	23384	17	23.016	20.928	23456	23	6.685	22.519
23169	21	19.742	16.876	23241	30	7.597	18.124	23313	14	18.346	19.996	23385	19	23.726	20.866	23457*	38	7.014	22.745
23170*	120	19.816	16.284	23242	19	8.584	18.414	23314	14	18.944	19.698	23386	18	23.984	20.031	23458	13	7.344	22.806
23171	14	19.980	16.246	23243	38	10.372	18.274	23315	16	19.028	19.086	23387	17	24.746	20.974	23459	21	7.422	22.839
23172*	38	21.071	16.726	23244	38	10.440	18.833	23316	18	19.662	19.526	23388	94	24.986	20.230	23460	21	7.451	22.438
23173	16	21.435	16.486	23245	26	10.532	18.455	23317	28	20.538	19.374	23389	20	25.187	20.626	23461	14	7.896	22.221
23174	40	22.208	16.246	23246*	40	11.212	18.444	23318	23	22.419	19.515	23390	20	25.349	20.484	23462	17	7.978	22.713
23175	14	23.327	16.960	23247	24	12.048	18.016	23319*	130	22.777	19.222	23391	21	25.401	20.050	23463	16	8.103	22.024
23176	23	25.174	16.928	23248	15	12.114	18.506	23320	15	23.900	19.158	23392	14	25.475	20.752	23464	34	8.641	22.154
23177	20	0.203	17.014	23249	32	12.285	18.988	23321	17	24.200	19.926	23393	24	0.198	21.166	23465	15	9.203	22.508
23178	17	0.766	17.144	23250	39	13.650	18.974	23322	17	24.662	19.986	23394	23	0.354	21.664	23466	24	9.306	22.975
23179	15	1.200	17.290	23251	23	13.946	18.403	23323	150	0.086	20.716	23395	34	0.712	21.031	23467	39	9.908	22.400
23180	17	1.271	17.241	23252	15	14.403	18.812	23324	16	0.740	20.245	23396	14	1.250	21.666	23468	21	9.976	22.331
23181	34	1.466	17.042	23253	18	14.858	18.766	23325	39	0.806	20.742	23397	38	2.194	21.268	23469	22	10.830	22.954
23182	14	1.987	17.484	23254	23	15.042	18.700	23326	26	1.706	20.463	23398	14	2.585	21.043	23470	22	11.346	22.866
23183	12	2.090	17.726	23255	23	15.131	18.191	23327	16	1.890	20.986	23399	16	2.826	21.235	23471*	59	11.384	22.047
23184	40	2.288	17.656	23256	14	15.233	18.926	23328	10	1.974	20.828	23400*	40	3.126	21.319	23472	18	12.614	22.046
23185	15	2.676	17.584	23257	14	15.962	18.730	23329	23	2.172	20.533	23401	38	4.123	21.745	23473	18	13.096	22.759
23186	19	2.859	17.836	23258	20	16.034	18.705	23330	17	2.314	20.664	23402	39	4.540	21.506	23474	22	14.204	22.514
23187	23	3.090	17.624	23259	21	17.778	18.946	23331	19	2.728	20.001	23403	23	4.587	21.998	23475	22	14.522	22.471
23188	14	3.272	17.635	23260*	70	18.046	18.576	23332	37	2.824	20.658	23404	22	4.834	21.334	23476*	32	14.554	22.445
23189	21	3.752	17.040	23261	26	18.145	18.267	23333	14	2.866	20.695	23405	12	5.268	21.226	23477	19	14.729	22.155
23190	15	4.026	17.006	23262	18	18.324	18.369	23334	17	3.005	20.758	23406	23	5.354	21.066	23478	23	15.486	22.966
23191	17	5.152	17.430	23263	30	18.971	18.096	23335	14	3.739	20.855	23407	28	5.936	21.116	23479	14	15.491	22.406
23192	12	6.276	17.124	23264	16	19.472	18.795	23336	42	3.825	20.515	23408	14	6.044	21.703	23480	18	15.528	22.480
23193	16	6.586	17.472	23265	22	19.800	18.076	23337	18	4.874	20.005	23409	17	6.255	21.714	23481	16	15.586	22.824
23194	18	6.938	17.117	23266	22	21.659	18.496	23338	37	5.148	20.042	23410*	80	6.444	21.785	23482	39	16.154	22.606
23195	15	7.186	17.305	23267*	60	22.124	18.828	23339	39	5.534	20.926	23411	19	7.874	21.138	23483	17	16.774	22.402
23196	39	7.864	17.074	23268	18	22.440	18.694	23340	14	5.684	20.908	23412	33	10.634	21.086	23484	25	17.200	22.412
23197	17	9.878	17.006	23269	20	23.412	18.694	23341	19	5.995	20.677	23413	21	10.859	21.166	23485	26	18.354	22.126
23198*	32	10.410	17.534	23270	17	24.674	18.165	23342	30	6.803	20.750	23414	14	11.794	21.324	23486	15	18.486	22.514
23199*	60	10.425	17.055	23271	22	25.612	18.766	23343	14	6.966	20.324	23415	24	12.322	21.010	23487	18	18.498	22.866
23200	15	10.512	17.624	23272	16	1.365	19.144	23344	20	7.373	20.582	23416	23	13.728	21.190	23488	17	18.708	22.155
23201	12	11.203	17.134	23273	30	1.716	19.262	23345	12	8.124	20.867	23417	23	15.248	21.498	23489	17	19.122	22.235
23202	15	11.570	17.075	23274	14	2.718	19.496	23346	32	9.194	20.348	23418	16	15.884	21.618	23490	18	19.814	22.265
23203	14	12.458	17.988	23275	17	3.164	19.026	23347	20	10.762	20.234	23419	18	16.168	21.464	23491	20	20.014	22.708
23204	37	12.496	17.658	23276	40	3.691	19.346	23348	14	11.026	20.899	23420	18	16.730	21.15				

23503	17	25-166	22-940	23575	19	3-974	24-576	23647	14	8-118	25-606	23709	29	7-407	0-114	23781	29	0-492	4-072
23504	20	0-359	23-812	23576	16	4-126	24-842	23648	23	8-254	25-860	23710	19	7-840	0-006	23782	10	1-866	4-289
23505	16	0-464	23-484	23577	14	4-138	24-686	23649	13	8-396	25-300	23711	10	9-420	0-232	23783	12	1-971	4-820
23506	26	1-291	23-164	23578	24	5-266	24-046	23650	37	8-752	25-642	23712	20	12-485	0-250	23784	16	5-040	4-398
23507	14	2-494	23-234	23579*	45	5-954	24-806	23651	18	8-796	25-285	23713	11	13-623	0-463	23785*	13	5-600	4-462
23508	37	2-832	23-519	23580	16	6-026	24-226	23652	39	9-000	25-285	23714	21	14-376	0-220	23786	9	7-566	4-742
23509*	80	3-036	23-448	23581	17	6-816	24-424	23653	17	9-381	25-860	23715	22	14-452	0-573	23787	13	9-486	4-800
23510	28	3-144	23-036	23582	18	7-374	24-036	23654	25	10-542	25-736	23716	15	14-595	0-472	23788*	29	10-390	4-458
23511	26	3-209	23-706	23583	13	8-071	24-166	23655	14	10-982	25-465	23717	12	16-720	0-184	23789	10	11-650	4-135
23512	17	3-684	23-048	23584	17	9-334	24-516	23656	16	11-016	25-402	23718	24	18-665	0-218	23790	11	13-900	4-226
23513	22	3-994	23-020	23585	17	9-414	24-900	23657	14	11-627	25-385	23719	19	18-972	0-062	23791	9	14-064	4-378
23514*	120	4-034	23-038	23586	25	9-532	24-694	23658	14	11-834	25-366	23720	34	22-948	0-461	23792	18	14-818	4-562
23515	15	5-186	23-894	23587	26	10-184	24-938	23659	26	11-858	25-536	23721	9	25-124	0-544	23793	13	15-720	4-062
23516	37	5-593	23-676	23588	15	10-408	24-226	23660	20	12-150	25-568	23722	25	25-251	0-422	23794*	16	16-131	4-350
23517	37	5-799	23-901	23589	14	10-540	24-245	23661	15	12-844	25-555	23723	20	0-342	1-840	23795	26	16-626	4-725
23518	37	6-370	23-900	23590	13	11-722	24-186	23662	31	13-585	25-104	23724	16	2-020	1-560	23796	26	17-000	4-588
23519	16	6-370	23-434	23591	19	11-724	24-445	23663	26	14-324	25-395	23725	15	2-755	1-174	23797	13	17-408	4-250
23520	14	6-610	23-336	23592	18	12-317	24-484	23664	18	15-005	25-063	23726	37	3-775	1-380	23798	10	17-546	4-156
23521	15	7-013	23-206	23593	22	12-656	24-649	23665*	68	15-452	25-036	23727	11	6-453	1-346	23799	10	18-264	4-100
23522	22	7-216	23-100	23594	18	12-800	24-312	23666	14	15-684	25-127	23728	17	6-482	1-400	23800	10	21-040	4-040
23523	20	7-732	23-606	23595	26	13-534	24-570	23667	28	15-950	25-864	23729*	37	6-920	1-754	23801*	35	21-979	4-806
23524	14	7-851	23-381	23596	26	13-584	24-946	23668	26	16-036	25-734	23730	18	8-038	1-977	23802	19	22-430	4-503
23525	17	8-120	23-682	23597	14	13-794	24-235	23669	28	16-208	25-954	23731	10	10-772	1-819	23803	13	24-316	4-774
23526	19	8-156	23-270	23598	20	14-319	24-391	23670	12	16-537	25-947	23732	9	12-897	1-566	23804	14	24-599	4-964
23527	14	8-806	23-486	23599	13	14-526	24-508	23671	42	17-072	25-764	23733	26	12-940	1-698	23805	14	0-718	5-158
23528	31	9-036	23-224	23600	30	15-929	24-400	23672	21	17-146	25-336	23734	10	17-150	1-050	23806	10	1-974	5-656
23529	10	9-528	23-264	23601*	48	16-106	24-594	23673	17	18-150	25-716	23735	16	19-106	1-314	23807	14	2-170	5-220
23530*	40	9-726	23-548	23602	22	17-205	24-616	23674	20	18-204	25-398	23736	18	19-688	1-366	23808	14	3-399	5-168
23531	14	9-907	23-734	23603	23	17-426	24-316	23675	14	18-405	25-516	23737*	10	21-460	1-894	23809	11	3-440	5-416
23532	23	10-025	23-746	23604	14	17-529	24-136	23676	18	19-281	25-084	23738	14	24-282	1-965	23810	24	4-300	5-800
23533	34	10-154	23-089	23605	25	17-535	24-163	23677	30	19-630	25-140	23739	29	0-264	2-286	23811	14	5-560	5-622
23534*	39	11-416	23-991	23606	14	17-562	24-880	23678	14	19-869	25-470	23740*	32	1-730	2-720	23812	10	5-596	5-584
23535	15	12-586	23-576	23607	14	17-650	24-968	23679	35	20-314	25-419	23741	19	1-830	2-672	23813	11	6-275	5-371
23536	18	12-674	23-704	23608	21	17-744	24-365	23680	39	20-582	25-085	23742	32	2-101	2-166	23814	22	6-526	5-726
23537	14	13-430	23-028	23609	26	18-470	24-926	23681	16	21-362	25-696	23743*	38	2-459	2-200	23815	22	8-233	5-418
23538	15	13-761	23-496	23610	15	19-236	24-210	23682	32	22-672	25-924	23744*	44	2-675	2-149	23816	14	8-253	5-818
23539	23	13-889	23-834	23611	14	19-836	24-510	23683	36	24-367	25-830	23745	11	3-564	2-306	23817	17	8-414	5-290
23540	24	14-490	23-934	23612	21	20-181	24-136	23684	33	24-866	25-148	23746	10	4-879	2-446	23818	20	8-572	5-580
23541	16	14-522	23-424	23613	18	20-573	24-816	23685	39	25-286	25-506	23747	13	5-040	2-374	23819*	24	12-426	5-804
23542	19	14-700	23-525	23614*	40	20-831	24-688	23686	25	25-542	25-100	23748	17	5-940	2-972	23820	8	12-938	5-690
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23544	22	15-758	23-382	23616	27	20-986	24-616					23750	18	7-876	2-705	23822*	22	15-837	5-600
23545	18	16-602	23-202	23617	14	21-768	24-408					23751	25	11-374	2-782	23823	11	16-003	5-563
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23547	14	19-920	23-896	23619	15	22-734	24-454					23753	11	15-062	2-956	23825	10	18-540	5-130
23548	15	20-373	23-245	23620	14	22-994	24-438					23754	15	19-180	2-666	23826*	26	21-586	5-925
23549	14	20-944	23-743	23621	32	23-870	24-848					23755*	26	20-472	2-634	23827	19	22-160	5-040
23550	14	21-392	23-950	23622	18	23-901	24-971					23756*	45	20-962	2-422	23828	14	23-545	5-289
23551	25	21-530	23-806	23623	38	24-076	24-539					23757	12	22-212	2-034	23829	11	24-768	5-514
23552	14	21-708	23-578	23624	18	24-936	24-914					23758	16	22-404	2-957	23830	28	0-181	6-810
23553	15	21-720	23-568	23625	17	25-515	24-316					23759*	50	23-691	2-954	23831	10	0-921	6-043
23554	28	22-660	23-686	23626	31	0-393	25-791					23760	16	24-884	2-088	23832	27	1-047	6-494
23555	36	22-956	23-332	23627	21	1-175	25-751					23761	27	0-152	3-051	23833	13	1-246	6-969
23556	14	23-042	23-586	23628	25	1-550	25-852					23762	28	0-768	3-025	23834*	31	1-912	6-376
23557*	42	23-530	23-952	23629	15	1-656	25-218					23763	27	2-384	3-233	23835	10	2-200	6-892
23558	14	23-535	23-232	23630	37	1-726	25-056					23764	22	2-642	3-074	23836	10	3-406	6-127
23559	18	24-048	23-333	23631	27	1-872	25-518					23765	13	3-608	3-286	23837	17	3-748	6-684
23560	40	24-122	23-064	23632	27	2-638	25-756					23766	26	3-948	3-532	23838	14	3-932	6-973
23561	24	25-052	23-660	23633	56	2-686	25-481					23767	11	6-300	3-235	23839	10	4-715	6-192
23562	40	25-562	23-376	23634	28	2-859	25-369					23768	10	7-009	3-486	23840*	30	4-806	6-685
23563	38	0-156	24-565	23635	35	3-182	25-636					23769	12	7-281	3-606	23841	9	5-501	6-630
23564	35	0-170	24-934	23636	14	3-222	25-199					23770	12	8-500	3-242	23842	10	5-523	6-672
23565	14	0-552	24-135	23637	14	3-244	25-422					23771	16	9-750	3-086	23843	15	5-974	6-186
23566	14	0-720	24-525	23638	18	3-289	25-595					23772*	31	10-213	3-604	23844	9	6-613	6-986
23567	24	0-767	24-115	23639	14	3-562	25-574					23773	11	10-559	3-500	23845*	29	6-641	6-710
23568	18	1-174	24-576	23640	17	3-733	25-458	</											

23853	14	14.567	6.103	23925	11	6.978	9.055	23997	14	13.874	12.828	24069	28	6.046	15.261	24141	14	23.948	17.039
23854	10	15.854	6.932	23926	25	9.610	9.976	23998*	29	14.890	12.576	24070	25	6.274	15.974	24142	11	24.670	17.072
23855*	24	17.081	6.642	23927	20	10.146	9.894	23999	25	17.120	12.620	24071	25	7.354	15.764	24143	12	25.673	17.264
23856	10	18.396	6.413	23928*	24	11.786	9.512	24000	20	18.935	12.808	24072	26	10.578	15.655	24144	16	0.007	18.885
23857*	29	19.400	6.950	23929*	39	12.790	9.338	24001*	40	19.286	12.201	24073*	32	12.219	15.730	24145	21	1.119	18.290
23858*	29	19.589	6.438	23930	14	13.040	9.111	24002	13	19.903	12.412	24074	16	15.916	15.258	24146	10	2.672	18.672
23859	14	20.212	6.052	23931*	26	15.022	9.160	24003	29	20.705	12.586	24075	26	15.918	15.925	24147	10	3.015	18.500
23860*	29	20.541	6.056	23932	11	20.040	9.712	24004	10	21.792	12.532	24076	13	16.329	15.086	24148	13	3.590	18.204
23861*	37	21.467	6.622	23933	17	21.084	9.321	24005	10	21.825	12.442	24077	26	16.785	15.736	24149	10	4.976	18.706
23862	17	23.568	6.938	23934*	41	22.090	9.342	24006	11	22.075	12.716	24078	14	17.696	15.428	24150	16	6.330	18.914
23863*	27	23.974	6.139	23935*	88	23.974	9.442	24007	9	22.128	12.666	24079	15	18.918	15.471	24151	23	7.878	18.093
23864	16	24.056	6.119	23936	25	25.136	9.548	24008	9	22.353	12.302	24080	21	20.740	15.164	24152	10	7.930	18.410
23865	15	0.433	7.780	23937	40	25.652	9.056	24009	19	0.386	13.564	24081	12	20.925	15.355	24153	23	11.034	18.200
23866	17	0.472	7.464	23938	26	1.039	10.317	24010	26	0.916	13.188	24082	29	22.670	15.044	24154	10	11.168	18.454
23867	21	2.346	7.784	23939	14	1.554	10.956	24011	11	1.701	13.912	24083	18	22.726	15.746	24155	13	11.408	18.084
23868*	27	3.216	7.584	23940	10	2.201	10.284	24012	29	2.662	13.288	24084	10	23.592	15.014	24156	12	12.532	18.314
23869	24	3.354	7.544	23941	14	4.377	10.874	24013	10	3.080	13.798	24085	15	23.777	15.230	24157	10	12.596	18.215
23870	23	3.876	7.900	23942	19	8.687	10.994	24014	11	3.499	13.915	24086	27	23.903	15.348	24158	10	16.225	18.602
23871	24	4.322	7.112	23943	15	9.558	10.186	24015	28	5.025	13.308	24087	11	25.540	15.330	24159	14	18.496	18.352
23872	22	4.524	7.363	23944	22	9.880	10.266	24016	10	5.380	13.178	24088	33	0.516	16.626	24160	26	19.220	18.808
23873*	46	5.540	7.295	23945	21	10.766	10.813	24017	24	5.637	13.490	24089	14	0.693	16.162	24161	25	19.332	18.922
23874	13	7.600	7.628	23946	12	13.224	10.424	24018	10	5.940	13.195	24090	11	1.640	16.800	24162	10	20.760	18.666
23875	18	7.882	7.906	23947	14	15.680	10.146	24019	11	6.500	13.394	24091*	27	1.994	16.148	24163*	31	21.066	18.610
23876	33	8.022	7.776	23948*	28	15.714	10.043	24020	20	8.180	13.480	24092	19	4.923	16.305	24164*	26	22.278	18.340
23877	11	9.465	7.570	23949	23	16.899	10.690	24021	18	8.399	13.164	24093	11	9.226	16.400	24165*	28	22.730	18.052
23878	9	9.654	7.266	23950	14	16.960	10.775	24022	13	13.874	13.264	24094	15	9.604	16.400	24166	21	24.401	18.474
23879	9	9.954	7.663	23951	12	18.260	10.102	24023	16	14.624	13.011	24095	17	11.839	16.242	24167	13	25.550	18.822
23880	21	10.666	7.718	23952*	37	19.070	10.832	24024	27	15.465	13.630	24096	10	12.253	16.002	24168	11	25.720	18.120
23881	25	11.026	7.263	23953*	27	19.149	10.674	24025	20	16.984	13.174	24097	31	12.552	16.841	24169	49	0.471	19.212
23882	27	11.051	7.962	23954	13	19.600	10.958	24026	9	18.610	13.666	24098	12	13.360	16.082	24170	20	0.786	19.890
23883	9	11.455	7.845	23955	14	21.435	10.316	24027	14	19.920	13.794	24099	16	15.980	16.544	24171	13	0.790	19.070
23884	13	11.970	7.379	23956	22	21.650	10.640	24028	12	20.386	13.146	24100*	49	17.787	16.890	24172	10	1.063	19.042
23885*	30	14.064	7.629	23957*	23	22.230	10.136	24029	9	20.440	13.270	24101	14	18.589	16.212	24173	88	1.126	19.592
23886	21	14.321	7.418	23958*	34	22.258	10.728	24030	17	21.579	13.560	24102*	27	19.705	16.242	24174	14	1.762	19.055
23887	23	16.116	7.831	23959	13	22.426	10.443	24031	11	22.040	13.860	24103	19	19.798	16.079	24175	10	2.260	19.504
23888	12	17.901	7.540	23960	29	24.400	10.934	24032	26	22.570	13.122	24104*	41	19.892	16.794	24176	11	3.965	19.086
23889*	28	18.350	7.310	23961	32	24.706	10.350	24033	19	23.116	13.857	24105	29	20.624	16.730	24177	19	5.598	19.624
23890	14	19.066	7.214	23962	23	25.686	10.707	24034*	27	23.738	13.122	24106	10	20.838	16.530	24178	12	7.400	19.198
23891*	28	19.537	7.566	23963	17	0.488	11.916	24035	12	25.310	13.474	24107	17	21.852	16.220	24179	28	8.362	19.726
23892	13	19.850	7.060	23964	20	0.996	11.419	24036	12	25.623	13.316	24108	26	22.083	16.364	24180	12	8.450	19.984
23893	23	21.644	7.185	23965	22	2.820	11.942	24037	11	25.950	13.450	24109	15	22.545	16.683	24181	26	9.000	19.843
23894	20	23.609	7.575	23966	33	3.980	11.674	24038	19	0.436	14.702	24110	10	22.686	16.312	24182*	54	9.709	19.812
23895	15	25.260	7.901	23967	11	4.491	11.989	24039	12	2.325	14.449	24111*	23	23.170	16.866	24183	12	10.080	19.276
23896	10	2.833	8.190	23968*	35	5.080	11.642	24040	19	2.660	14.872	24112	15	0.456	17.879	24184	31	10.836	19.469
23897	27	2.880	8.074	23969	19	5.644	11.709	24041*	78	3.240	14.530	24113	11	0.566	17.866	24185	24	11.298	19.864
23898	13	3.150	8.562	23970	10	8.442	11.842	24042	19	3.275	14.894	24114	27	0.671	17.636	24186	25	12.220	19.529
23899*	31	3.291	8.588	23971*	35	8.588	11.978	24043*	97	3.314	14.483	24115	27	0.709	17.612	24187	26	12.980	19.975
23900	12	3.920	8.177	23972	28	11.538	11.366	24044	17	3.568	14.123	24116	10	0.974	17.592	24188	29	13.230	19.665
23901	10	3.950	8.167	23973	18	16.569	11.150	24045	19	3.577	14.574	24117	27	1.406	17.912	24189	10	14.062	19.422
23902	13	4.238	8.644	23974	10	17.548	11.945	24046	29	4.188	14.533	24118	10	1.648	17.320	24190	18	14.140	19.512
23903*	40	5.614	8.750	23975	18	22.834	11.590	24047	9	4.224	14.358	24119	11	2.210	17.946	24191	28	15.488	19.672
23904	14	6.978	8.194	23976	17	0.030	12.615	24048	31	4.788	14.896	24120	10	2.250	17.486	24192	27	15.757	19.714
23905*	30	8.662	8.442	23977	12	0.402	12.729	24049	19	5.488	14.996	24121	21	3.492	17.258	24193	10	15.900	19.884
23906	15	11.018	8.672	23978	17	0.710	12.612	24050	10	5.578	14.068	24122	30	3.738	17.364	24194	17	16.126	19.166
23907	12	14.264	8.180	23979	13	2.131	12.984	24051	16	6.061	14.357	24123	10	5.365	17.449	24195*	48	17.566	19.908
23908*	71	14.720	8.825	23980	28	2.204	12.792	24052	11	11.670	14.688	24124	13	8.180	17.334	24196*	38	17.890	19.676
23909	15	17.787	8.368	23981	22	2.519	12.706	24053	29	13.232	14.344	24125*	48	8.271	17.276	24197	17	18.298	19.554
23910	23	20.245	8.900	23982	21	2.600	12.425	24054	14	14.170	14.601	24126	10	8.816	17.482	24198	16	18.852	19.515
23911*	45	22.436	8.915	23983	13	4.240	12.966	24055	17	14.716	14.568	24127	11	9.943	17.276	24199*	29	18.854	19.316
23912	16	23.707	8.703	23984	14	5.260	12.095	24056	14	17.509	14.682	24128	19	10.916	17.362	24200	15	19.063	19.410
23913	23	24.050	8.906	23985	14	5.470	12.331	24057	39	17.600	14.577	24129*	26	15.298	17.494	24201	23	19.330	19.080
23914	12	24.899	8.999	23986*	58	6.108	12.902	24058	12	17.932	14.704	24130*	42	15.723	17.840	24202	18	19.633	19.828
23915	9	1.398	9.606	23987															

24213	33	25.524	19.378	24285	10	21.578	21.380	24357	22	14.650	23.730	24429	14	19.986	25.584	24495	9	16.638	0.932
24214	18	25.622	19.343	24286*	46	21.812	21.470	24358	10	14.687	23.629	24430*	32	20.105	25.343	24496	46	16.706	0.530
24215	26	0.659	20.785	24287*	42	23.062	21.491	24359	10	14.863	23.412	24431	10	21.354	25.866	24497	34	17.463	0.595
24216	13	1.102	20.571	24288	11	23.850	21.889	24360	11	15.400	23.057	24432	10	22.718	25.665	24498	15	17.657	0.366
24217	10	2.360	20.375	24289	31	24.020	21.194	24361	15	18.050	23.853					24499	15	19.175	0.009
24218	10	2.573	20.270	24290	11	25.500	21.252	24362	24	18.125	23.244					24500	10	19.806	0.576
24219	10	3.040	20.326	24291	10	2.214	22.478	24363	20	19.948	23.066					24501	8	20.340	0.456
24220*	74	3.354	20.559	24292	17	2.542	22.615	24364	10	21.616	23.369					24502	8	20.698	0.660
24221	15	3.570	20.955	24293*	41	3.158	22.932	24365	23	23.098	23.813					24503	24	21.278	0.268
24222	15	3.730	20.806	24294*	34	3.414	22.820	24366	25	1.100	24.059					24504	11	21.465	0.710
24223	17	3.775	20.371	24295*	38	3.562	22.426	24367	10	1.833	24.128					24505	20	21.797	0.206
24224*	28	4.880	20.841	24296*	29	4.820	22.124	24368*	42	1.970	24.306					24506	11	22.144	0.892
24225*	27	4.881	20.834	24297	22	5.039	22.212	24369	29	2.529	24.885					24507	14	23.040	0.044
24226	29	6.076	20.474	24298	11	5.109	22.776	24370	12	3.963	24.631					24508	39	23.251	0.661
24227	14	9.685	20.251	24299	14	5.328	22.271	24371	29	4.936	24.408					24509	13	23.436	0.078
24228	14	10.120	20.470	24300	10	5.823	22.746	24372	18	5.560	24.889					24510	10	24.655	0.604
24229	22	12.254	20.674	24301	12	6.076	22.417	24373	12	5.602	24.176					24511	9	25.364	0.644
24230	15	12.358	20.020	24302	10	6.644	22.348	24374	28	6.990	24.962					24512	16	0.048	1.650
24231	15	12.448	20.604	24303	12	8.998	22.399	24375	18	7.668	24.351					24513	10	0.186	1.648
24232	16	12.600	20.400	24304	24	9.627	22.055	24376	15	7.732	24.586					24514	21	0.803	1.784
24233	19	12.750	20.416	24305	11	9.826	22.089	24377	29	8.230	24.304					24515	19	1.794	1.524
24234	19	13.433	20.800	24306	10	10.058	22.468	24378	23	9.162	24.240					24516	10	2.665	1.643
24235*	28	16.824	20.059	24307	13	10.634	22.856	24379*	40	9.485	24.938					24517	22	2.870	1.688
24236*	26	17.065	20.005	24308	32	11.510	22.710	24380	13	9.513	24.863					24518	25	3.473	1.810
24237	16	19.030	20.224	24309*	35	11.540	22.720	24381	18	9.704	24.658					24519	12	4.454	1.224
24238	20	20.279	20.585	24310	22	11.540	22.692	24382	9	10.290	24.928					24520	8	5.548	1.420
24239	11	20.390	20.500	24311	19	11.884	22.917	24383	9	10.460	24.416					24521	26	5.594	1.154
24240	36	20.852	20.710	24312	10	11.948	22.600	24384	25	10.507	24.249					24522	15	6.118	1.072
24241	16	21.080	20.084	24313	10	12.982	22.740	24385	20	10.927	24.481					24523	11	6.202	1.002
24242	15	21.358	20.540	24314	13	14.330	22.092	24386	29	11.876	24.132					24524	23	6.639	1.380
24243	12	21.672	20.092	24315	16	14.500	22.803	24387	25	12.966	24.300					24525	8	6.744	1.367
24244	20	22.690	20.107	24316	9	14.818	22.731	24388	14	16.607	24.562					24526	9	6.946	1.150
24245	10	23.172	20.001	24317*	43	18.386	22.812	24389	29	17.349	24.856					24527	8	7.578	1.993
24246	27	23.890	20.656	24318	12	18.812	22.889	24390	32	18.432	24.686					24528	16	8.007	1.106
24247	21	25.708	20.590	24319	10	20.952	22.340	24391*	37	18.438	24.668					24529	20	8.092	1.006
24248	20	25.768	20.878	24320*	33	21.065	22.476	24392	15	18.636	24.280					24530	22	8.274	1.416
24249	27	1.174	21.726	24321	13	21.351	22.460	24393	14	19.178	24.866					24531	9	8.552	1.618
24250	10	1.410	21.296	24322	17	22.396	22.699	24394	12	19.196	24.848					24532	17	8.758	1.416
24251	22	1.456	21.796	24323	28	22.956	22.461	24395	10	19.611	24.247					24533	8	9.840	1.742
24252	26	1.762	21.893	24324	11	23.063	22.401	24396	14	20.246	24.176					24534	10	9.994	1.424
24253	10	2.118	21.220	24325	13	25.219	22.674	24397	23	21.071	24.642					24535	10	10.174	1.776
24254	12	3.136	21.305	24326	12	0.149	23.966	24398*	40	21.290	24.209					24536	10	10.436	1.750
24255	17	3.440	21.602	24327	27	0.614	23.130	24399	12	23.826	24.496					24537	9	10.770	1.692
24256	11	3.762	21.175	24328	17	0.754	23.020	24400*	27	24.466	24.766					24538*	22	10.827	1.980
24257	12	4.869	21.396	24329	36	1.050	23.318	24401	16	24.900	24.016					24539	10	10.926	1.526
24258	12	4.899	21.322	24330	22	1.388	23.696	24402	19	25.836	24.180					24540	13	11.394	1.436
24259*	31	5.166	21.164	24331	10	1.966	23.585	24403	18	2.326	25.200					24541	8	11.612	1.072
24260	21	5.610	21.664	24332	13	2.478	23.680	24404	13	2.364	25.324					24542	9	11.692	1.242
24261	14	5.841	21.403	24333	33	2.546	23.410	24405	21	3.332	25.476					24543	21	12.347	1.634
24262	22	6.190	21.190	24334	10	3.486	23.988	24406	12	3.396	25.242					24544	12	12.445	1.751
24263	16	6.760	21.086	24335	14	3.592	23.268	24407	30	3.752	25.830					24545	18	12.738	1.435
24264	10	6.820	21.724	24336*	36	3.992	23.695	24408	13	4.004	25.418					24546	17	12.744	1.242
24265	12	7.509	21.476	24337	10	4.260	23.192	24409	39	4.576	25.664					24547	12	12.860	1.356
24266	14	7.603	21.796	24338	18	4.926	23.386	24410	12	4.798	25.725					24548	21	13.548	1.025
24267	28	7.818	21.291	24339	15	5.140	23.384	24411*	33	5.102	25.536					24549	17	13.758	1.387
24268	18	8.202	21.430	24340	16	5.178	23.736	24412*	31	5.384	25.536					24550	20	14.278	1.922
24269	10	8.480	21.140	24341	17	5.950	23.432	24413	16	6.038	25.437					24551	11	14.536	1.344
24270	22	9.665	21.762	24342	14	6.550	23.634	24414	23	6.980	25.410					24552	15	14.541	1.437
24271	11	10.468	21.522	24343	21	7.250	23.280	24415	11	7.122	25.529					24553	26	15.322	1.668
24272	20	10.875	21.888	24344	12	7.880	23.667	24416	27	7.695	25.344					24554	8	15.332	1.087
24273	28	11.597	21.036	24345	15	7.950	23.484	24417	28	8.623	25.462					24555	9	15.806	1.040
24274	15	11.876	21.956	24346	27	7.972	23.901	24418	24	8.762	25.344					24556	8	16.150	1.524
24275	23	13.630	21.884	24347	26	8.182	23.044	24419	23	11.424	25.858					24557	16	19.146	1.468
24276	12	14.552	21.154	24348	26	9.156	23.342	24420	38	13.624	25.948					24558	28	19.465	1.416
24277	15	14.689	21.693	24349	11	10.175	23.428	24421	13	14.398	25.992					24559	11	19.858	1.250
24278	10	14.802	21.324	24350	19	11.206	23.058	24422	27	14.550	25.565					24560*	39	20.735	1.251
24279	11	17.100	21.804	24351*	47	12.173	23.214	24423	28	14.730	25.442					24561	8	21.966	1.176
24280	12	18.260	21.757	24352	24	12.240	23.718	24424*	39	14.754	25.542					24562	8	22.214	1.532
24281	14	19.000	21.616	24353	13	12.280	23.038	24425*	47	17.130	25.090					24563	10	23.107	1.034
24282	13	20.326	21.592	24354*	44	12.826	23.4												

24567	10	24.144	1.797	24639	13	8.059	3.422	24711	10	12.611	4.372	24783	14	20.934	5.970	24855	9	0.771	7.206
24568	12	24.342	1.611	24640	15	8.060	3.034	24712	22	13.526	4.367	24784	21	22.780	5.163	24856	10	1.052	7.193
24569	14	24.390	1.586	24641	10	8.066	3.766	24713*	29	13.576	4.530	24785	8	22.945	5.340	24857	9	2.108	7.533
24570	13	0.336	2.568	24642	19	8.924	3.920	24714	9	14.755	4.163	24786	9	23.384	5.700	24858	20	2.259	7.308
24571	18	1.004	2.703	24643*	29	8.924	3.231	24715	22	15.020	4.675	24787	14	24.472	5.848	24859	13	2.714	7.672
24572	15	1.458	2.846	24644	25	9.130	3.036	24716	12	15.204	4.956	24788	8	25.469	5.774	24860	17	3.911	7.618
24573	10	1.496	2.544	24645	9	9.524	3.982	24717	11	15.430	4.603	24789	17	25.846	5.336	24861	19	4.802	7.925
24574*	47	2.286	2.688	24646	15	10.057	3.526	24718	8	15.498	4.908	24790	12	25.968	5.310	24862	19	5.276	7.428
24575	8	4.816	2.836	24647	11	10.353	3.354	24719	8	16.266	4.270	24791	42	0.106	6.376	24863	8	6.905	7.887
24576	8	6.185	2.736	24648	8	10.648	3.236	24720	16	17.048	4.064	24792	30	0.240	6.938	24864	19	6.994	7.888
24577	9	6.313	2.156	24649	17	11.513	3.562	24721	14	17.102	4.179	24793	8	0.364	6.880	24865*	26	7.553	7.447
24578	18	6.382	2.529	24650	11	11.806	3.725	24722*	37	17.956	4.850	24794	10	0.458	6.518	24866	21	7.816	7.324
24579	8	6.411	2.054	24651	10	13.330	3.644	24723	15	17.984	4.873	24795	8	1.288	6.200	24867	25	8.257	7.620
24580	8	6.588	2.916	24652	9	13.648	3.545	24724	9	18.207	4.197	24796	14	1.511	6.183	24868	18	8.757	7.382
24581*	33	6.738	2.376	24653	14	13.869	3.060	24725	18	18.332	4.752	24797	8	1.726	6.374	24869	10	9.702	7.950
24582	18	6.878	2.106	24654	22	14.835	3.402	24726*	32	18.418	4.118	24798	21	2.214	6.670	24870	13	9.740	7.127
24583	11	7.185	2.524	24655	8	16.280	3.145	24727	13	19.047	4.116	24799	13	2.815	6.734	24871	11	11.974	7.400
24584	9	7.730	2.998	24656	15	16.390	3.806	24728	8	19.318	4.412	24800	14	3.414	6.163	24872	16	12.624	7.762
24585*	21	8.226	2.746	24657	10	16.436	3.816	24729	13	19.464	4.305	24801	11	4.175	6.680	24873*	26	13.294	7.181
24586	11	9.368	2.420	24658	30	16.522	3.110	24730	11	19.640	4.448	24802	11	4.276	6.212	24874	23	13.294	7.170
24587	10	10.804	2.592	24659*	30	16.735	3.208	24731	10	19.707	4.369	24803	8	4.594	6.924	24875	15	13.402	7.082
24588	13	10.895	2.760	24660	32	18.152	3.946	24732	15	20.962	4.492	24804	10	4.833	6.774	24876	18	13.746	7.262
24589	10	10.905	2.893	24661*	31	19.053	3.744	24733	12	21.364	4.826	24805	20	5.084	6.531	24877	10	13.768	7.194
24590	11	11.198	2.718	24662	30	19.504	3.345	24734	20	21.951	4.972	24806	23	5.355	6.252	24878	10	13.915	7.404
24591	11	11.473	2.413	24663	25	20.650	3.340	24735	8	21.976	4.192	24807	9	5.572	6.537	24879	8	14.401	7.658
24592	9	11.662	2.924	24664	17	21.436	3.501	24736	10	22.464	4.266	24808	17	6.243	6.442	24880	10	14.852	7.966
24593*	31	12.530	2.803	24665	8	21.492	3.144	24737*	39	23.154	4.631	24809	11	7.984	6.836	24881	8	14.885	7.831
24594	8	12.977	2.711	24666	10	22.348	3.903	24738	10	24.078	4.369	24810	10	10.094	6.499	24882	25	15.689	7.972
24595	8	12.990	2.652	24667	11	22.560	3.162	24739	17	24.808	4.180	24811	13	10.171	6.834	24883	8	15.984	7.698
24596	13	13.048	2.233	24668	8	23.190	3.986	24740	10	24.977	4.824	24812*	31	10.235	6.944	24884	10	16.780	7.696
24597	12	13.140	2.118	24669	8	23.474	3.695	24741	8	25.645	4.140	24813	10	10.303	6.610	24885	20	17.063	7.674
24598	13	13.425	2.674	24670	8	23.584	3.716	24742	12	0.028	5.720	24814	11	10.314	6.624	24886	8	17.642	7.726
24599	9	13.708	2.274	24671	10	23.731	3.840	24743	31	0.216	5.679	24815	15	10.921	6.086	24887*	29	17.795	7.286
24600	28	14.165	2.818	24672	18	23.886	3.156	24744	9	1.699	5.108	24816*	26	11.447	6.998	24888	25	18.130	7.348
24601	9	14.308	2.937	24673*	36	24.008	3.750	24745	8	1.906	5.780	24817	9	11.702	6.860	24889	13	18.156	7.788
24602	14	14.346	2.888	24674	8	24.234	3.558	24746	9	2.148	5.298	24818	11	12.934	6.414	24890	10	18.318	7.428
24603	9	14.646	2.208	24675	12	24.566	3.169	24747	17	2.168	5.020	24819	8	13.068	6.496	24891	10	19.844	7.996
24604	18	15.266	2.842	24676	19	25.504	3.970	24748	10	2.223	5.784	24820	17	13.632	6.554	24892	14	19.908	7.434
24605	14	15.365	2.056	24677	11	0.511	4.408	24749*	28	2.608	5.868	24821	8	13.784	6.908	24893	8	20.904	7.784
24606	20	15.580	2.799	24678	38	0.596	4.556	24750	8	2.627	5.153	24822	8	13.924	6.497	24894	18	21.242	7.302
24607	19	16.798	2.155	24679	23	0.778	4.786	24751	10	2.644	5.316	24823	16	14.018	6.132	24895	10	22.805	7.464
24608	18	16.906	2.753	24680	24	1.046	4.248	24752	22	2.689	5.848	24824	17	14.067	6.293	24896*	29	23.780	7.312
24609	17	17.118	2.996	24681	10	1.293	4.602	24753	10	2.692	5.564	24825	8	14.092	6.761	24897*	32	24.160	7.419
24610	14	18.786	2.687	24682	8	1.330	4.014	24754	10	3.277	5.106	24826	8	14.310	6.911	24898	14	24.483	7.712
24611*	32	18.958	2.014	24683	19	2.934	4.498	24755	16	3.394	5.234	24827*	30	14.473	6.950	24899*	46	24.520	7.950
24612	8	19.644	2.607	24684	19	3.222	4.683	24756	13	5.024	5.516	24828	22	14.498	6.190	24900	8	25.038	7.871
24613*	28	20.515	2.779	24685	10	3.494	4.553	24757	12	5.076	5.942	24829	12	14.751	6.174	24901	8	25.319	7.611
24614	10	20.602	2.724	24686	8	3.740	4.788	24758	9	6.089	5.360	24830	19	14.833	6.722	24902	32	25.422	7.545
24615	8	22.215	2.577	24687	8	4.232	4.456	24759	9	7.698	5.883	24831	20	15.217	6.417	24903	11	0.356	8.568
24616	13	23.237	2.779	24688	10	4.621	4.286	24760	11	8.463	5.714	24832	8	15.488	6.072	24904	8	0.468	8.450
24617*	25	24.000	2.662	24689	8	4.650	4.250	24761	19	8.566	5.477	24833	11	15.972	6.214	24905	8	0.594	8.536
24618	8	24.272	2.383	24690	22	4.655	4.145	24762	11	8.695	5.967	24834	29	16.220	6.866	24906	45	1.100	8.660
24619	22	24.722	2.483	24691*	28	5.310	4.649	24763	8	9.666	5.362	24835	8	17.062	6.738	24907	8	1.367	8.197
24620	8	25.761	2.421	24692	8	6.129	4.874	24764	8	10.006	5.178	24836	17	17.930	6.731	24908	21	2.368	8.435
24621	14	25.909	2.160	24693	10	6.290	4.026	24765	11	10.074	5.406	24837	8	18.197	6.547	24909	25	2.712	8.635
24622	10	25.996	2.388	24694	18	7.298	4.423	24766	8	11.057	5.404	24838	17	18.308	6.154	24910	19	3.562	8.716
24623	8	0.488	3.466	24695	15	7.694	4.094	24767	8	11.371	5.608	24839	18	18.423	6.375	24911*	45	4.314	8.769
24624	10	0.648	3.678	24696	8	8.270	4.998	24768	14	11.740	5.987	24840	8	20.721	6.622	24912	9	5.196	8.850
24625	13	1.111	3.473	24697	13	8.286	4.693	24769	18	11.906	5.338	24841	14	20.920	6.031	24913	13	5.308	8.298
24626	8	1.356	3.180	24698	12	8.490	4.812	24770	10	12.097	5.415	24842	15	21.184	6.057	24914*	36	6.646	8.480
24627	11	2.041	3.148	24699	14	8.828	4.156	24771	21	12.258	5.493	24843	9	21.268	6.395	24915	11	6.716	8.779
24628	10	3.595	3.436	24700	11	8.844	4.006	24772	9	12.424	5.906	24844	14	21.796	6.028	24916	8	7.460	8.826
24629	11	3.655	3.042	24701	9	8.852	4.478	24773*	25	13.424	5.158	24845	9	22.316	6.358	24917	9	9.462	8.382
24630	15	3.910	3.140	24702	8	9.072	4.740	24774	20	14.854	5.402	24846	12	22.776	6.930	24918*			

24957	8	1.302	9.042	25029*	30	10.048	10.445	25101	26	16.944	11.278	25173	16	4.664	13.154	25245	31	11.598	14.808
24958	11	1.352	9.026	25030	8	10.174	10.235	25102	9	17.633	11.453	25174	8	4.804	13.021	25246	15	12.236	14.433
24959	9	1.458	9.316	25031	9	10.238	10.818	25103	13	18.326	11.455	25175	8	4.825	13.058	25247	10	12.889	14.814
24960	8	2.250	9.572	25032	8	10.496	10.256	25104	19	18.460	11.610	25176	9	5.022	13.754	25248	11	13.636	14.770
24961*	76	2.636	9.174	25033	8	11.235	10.985	25105	16	20.678	11.548	25177	8	5.691	13.574	25249	30	13.050	14.754
24962	8	2.838	9.546	25034	19	12.097	10.652	25106	12	21.345	11.127	25178	9	5.837	13.833	25250	14	13.771	14.700
24963	8	3.735	9.874	25035	8	12.099	10.466	25107	22	21.377	11.195	25179	16	6.018	13.892	25251	10	14.082	14.288
24964*	29	3.804	9.265	25036*	34	12.495	10.608	25108*	54	22.230	11.166	25180	21	6.346	13.740	25252	31	14.106	14.966
24965	12	4.057	9.712	25037	18	13.697	10.382	25109	19	22.338	11.837	25181	9	6.850	13.768	25253*	46	14.126	14.040
24966	9	4.259	9.350	25038	10	13.880	10.876	25110	11	22.434	11.798	25182	11	8.038	13.804	25254	8	14.974	14.046
24967	10	4.600	9.088	25039	8	14.083	10.274	25111	18	22.514	11.874	25183	9	8.522	13.874	25255	13	15.156	14.656
24968	22	5.116	9.302	25040	31	14.348	10.695	25112	17	23.585	11.085	25184	11	9.487	13.163	25256	11	15.328	14.113
24969	8	5.666	9.199	25041	11	14.366	10.585	25113	18	24.743	11.106	25185	10	10.018	13.980	25257	14	15.365	14.762
24970	15	5.697	9.697	25042	9	14.532	10.623	25114	16	25.593	11.516	25186	13	10.814	13.282	25258	9	17.234	14.566
24971	14	6.015	9.302	25043	11	14.908	10.442	25115	9	25.654	11.922	25187	10	10.866	13.108	25259	13	17.830	14.388
24972	8	6.826	9.676	25044	9	15.209	10.680	25116	8	25.708	11.970	25188	8	11.232	13.307	25260	14	17.851	14.204
24973	26	7.077	9.184	25045	10	15.552	10.601	25117	14	0.494	12.286	25189	18	11.830	13.932	25261	8	20.717	14.162
24974	11	7.371	9.074	25046	21	15.556	10.788	25118	15	0.525	12.193	25190	14	13.154	13.341	25262	18	20.872	14.444
24975	10	8.096	9.986	25047	15	16.752	10.506	25119	18	0.780	12.464	25191	32	13.240	13.382	25263	9	20.942	14.568
24976	9	8.726	9.527	25048	8	17.534	10.460	25120	13	0.832	12.416	25192	13	13.608	13.203	25264	8	21.148	14.026
24977*	29	9.545	9.932	25049*	133	17.782	10.255	25121	8	0.873	12.601	25193	22	14.318	13.777	25265	14	21.270	14.778
24978	19	9.650	9.692	25050	9	18.638	10.560	25122	12	1.004	12.540	25194	8	14.585	13.268	25266	14	21.358	14.350
24979	10	10.044	9.894	25051	13	19.063	10.785	25123	13	1.056	12.049	25195	8	14.972	13.523	25267	8	21.464	14.794
24980	26	10.548	9.558	25052*	28	19.307	10.272	25124	30	1.283	12.865	25196	18	15.187	13.860	25268	23	21.647	14.818
24981	21	11.060	9.350	25053	25	19.856	10.211	25125	8	1.498	12.896	25197	8	16.488	13.916	25269*	38	21.924	14.964
24982	11	12.466	9.525	25054	30	20.239	10.382	25126*	30	2.446	12.854	25198	8	16.791	13.086	25270	17	22.014	14.335
24983	13	15.358	9.894	25055	12	21.574	10.698	25127	11	2.551	12.747	25199	16	16.902	13.810	25271*	39	22.287	14.222
24984	13	15.562	9.124	25056	10	21.856	10.875	25128	13	3.990	12.688	25200	13	17.229	13.928	25272	8	22.616	14.204
24985	8	16.021	9.754	25057	13	22.824	10.660	25129	14	4.244	12.378	25201	18	17.578	13.880	25273	17	23.372	14.572
24986	14	16.112	9.349	25058	8	23.126	10.499	25130	24	4.844	12.181	25202	8	17.814	13.471	25274	8	23.502	14.283
24987	9	16.360	9.166	25059	11	23.138	10.193	25131	11	5.264	12.290	25203	20	18.184	13.386	25275	10	24.372	14.932
24988	14	16.772	9.680	25060	11	23.794	10.424	25132	18	5.289	12.905	25204*	49	18.950	13.350	25276	9	24.388	14.888
24989	16	18.366	9.447	25061	20	23.866	10.186	25133	19	6.532	12.660	25205	9	19.672	13.561	25277	29	25.556	14.033
24990	17	18.431	9.184	25062	21	25.492	10.530	25134	8	6.840	12.078	25206	8	21.131	13.686	25278	12	25.666	14.820
24991	18	18.925	9.867	25063	9	1.350	11.970	25135	21	7.213	12.076	25207	17	21.149	13.594	25279	21	0.596	15.973
24992	9	19.379	9.516	25064	21	1.526	11.328	25136	9	7.666	12.958	25208	8	21.197	13.412	25280	12	0.694	15.959
24993*	35	19.390	9.444	25065	10	2.208	11.683	25137	13	7.899	12.112	25209	22	21.784	13.466	25281	9	1.354	15.250
24994	14	19.856	9.635	25066	14	2.390	11.178	25138	29	7.997	12.530	25210	25	22.516	13.810	25282	20	1.463	15.489
24995	9	20.930	9.422	25067	12	3.466	11.558	25139	32	8.156	12.460	25211	10	22.970	13.381	25283	10	1.480	15.448
24996	8	21.225	9.222	25068	11	3.687	11.314	25140	12	8.728	12.226	25212	32	23.266	13.294	25284	8	2.250	15.282
24997	12	21.300	9.939	25069	11	3.856	11.282	25141	8	9.416	12.549	25213	18	23.756	13.553	25285	27	2.635	15.079
24998	20	21.323	9.918	25070	8	4.382	11.724	25142	10	9.434	12.024	25214	9	23.935	13.257	25286	8	3.573	15.392

25310	30	15.473	15.447	25308	12	12.095	10.790	25400	28	11.277	17.250	25334	10	12.300	18.444	25304	10	11.202	18.330	25605	16	11.128	19.040
25317	9	15.495	15.204	25389	8	12.946	16.434	25461	16	11.660	17.182	25533	10	12.202	18.330	25605	16	11.128	19.040				
25318	18	15.942	15.674	25390*	40	13.080	16.154	25462	16	11.980	17.475	25534	10	12.380	18.900	25606	25	11.288	19.277				
25319	21	16.009	15.363	25391	19	13.264	16.890	25463	10	12.120	17.562	25535	19	12.505	18.106	25607	11	11.350	19.052				
25320	9	16.011	15.940	25392	9	14.349	16.245	25464	10	12.700	17.874	25536	13	12.718	18.546	25608*	42	11.478	19.318				
25321	19	16.594	15.546	25393	10	14.575	16.523	25465	22	12.949	17.242	25537	9	12.733	18.872	25609	11	12.197	19.647				
25322	15	16.732	15.503	25394	10	15.650	16.835	25466	11	13.302	17.696	25538	34	14.668	18.665	25610	33	12.280	19.473				
25323	9	16.814	15.337	25395	14	16.228	16.484	25467	18	13.386	17.141	25539*	35	14.738	18.446	25611	8	12.888	19.058				
25324	18	17.264	15.524	25396*	49	16.528	16.175	25468	8	13.464	17.769	25540	19	15.884	18.797	25612	10	13.470	19.526				
25325	12	17.550	15.263	25397	26	16.694	16.714	25469*	39	13.534	17.002	25541	17	16.199	18.240	25613	10	13.653	19.600				
25326*	45	18.802	15.814	25398	19	17.234	16.551	25470	16	14.095	17.252	25542	17	16.683	18.697	25614	19	14.210	19.061				
25327	30	18.924	15.871	25399	17	17.568	16.349	25471	12	15.063	17.505	25543	9	16.744	18.558	25615	8	14.416	19.523				
25328	14	19.143	15.344	25400	24	18.376	16.290	25472	14	15.203	17.751	25544	31	17.199	18.216	25616	16	14.777	19.126				
25329	10	19.682	15.505	25401	9	19.224	16.811	25473	11	15.372	17.489	25545*	48	17.640	18.134	25617	8	14.784	19.768				
25330	9	19.911	15.516	25402	8	19.224	16.425	25474	9	15.431	17.861	25546	17	17.802	18.306	25618*	32	15.586	19.882				
25331	8	19.932	15.340	25403	11	19.398	16.130	25475	27	15.572	17.439	25547	31	17.900	18.168	25619	13	16.441	19.730				
25332	17	20.042	15.977	25404	20	19.494	16.688	25476	9	15.817	17.614	25548	15	18.067	18.576	25620*	26	16.996	19.522				
25333	19	20.334	15.817	25405	8	20.056	16.655	25477	8	16.077	17.932	25549	10	18.282	18.236	25621	10	17.626	19.618				
25334	20	21.382	15.301	25406*	48	20.372	16.120	25478	10	17.372	17.142	25550	25	19.449	18.014	25622	10	17.924	19.142				
25335	10	21.543	15.883	25407	33	20.782	16.600	25479	12	18.293	17.609	25551	22	19.579	18.486	25623	8	17.994	19.742				
25336	8	22.442	15.882	25408	9	20.888	16.631	25480	15	18.829	17.552	25552	8	20.027	18.795	25624	8	18.046	19.074				
25337	8	22.802	15.826	25409	15	21.018	16.692	25481	20	20.708	17.417	25553	9	20.119	18.186	25625	25	18.089	19.205				
25338	24	23.510	15.554	25410	24	21.165	16.051	25482	19	21.025	17.092	25554	10	20.664	18.692	25626*	49	18.134	19.432				
25339	8	23.825	15.836	25411	8	21.254	16.918	25483	9	21.049	17.654	25555	31	21.064	18.266	25627	14	18.290	19.204				
25340	9	23.831	15.492	25412	22	21.600	16.740	25484	19	21.426	17.635	25556	19	21.342	18.933	25628	9	18.786	19.939				
25341	25	23.866	15.446	25413	9	21.608	16.707	25485	8	22.240	17.775	25557	8	21.396	18.736	25629*	40	18.936	19.318				
25342	10	24.105	15.192	25414	10	21.614	16.648	25486	8	22.353	17.962	25558	13	21.415	18.294	25630	31	19.245	19.568				
25343	25	24.734	15.242	25415	26	21.853	16.950	25487	15	22.457	17.560	25559	18	22.070	18.509	25631	15	19.283	19.974				
25344	20	24.776	15.072	25416	9	22.298	16.180	25488	17	22.755	17.792	25560	12	22.138	18.896	25632	16	19.772	19.876				
25345	8	25.412	15.509	25417	9	22.351	16.380	25489	17	22.798	17.304	25561	23	22.218	18.154	25633	16	19.787	19.538				
25346	13	0.072	16.474	25418	10	23.314	16.340	25490*	28	23.070	17.266	25562	9	22.336	18.972	25634	18	20.076	19.628				
25347	16	0.106	16.816	25419	13	23.601	16.296	25491	9	23.379	17.768	25563	18	22.455	18.324	25635	8	20.362	19.233				
25348	10	0.788	16.544	25420	17	24.282	16.242	25492	13	23.760	17.616	25564	22	23.076	18.134	25636*	26	20.809	19.445				
25349	24	0.826	16.114	25421	9	24.394	16.773	25493	12	24.294	17.988	25565	14	23.638	18.666	25637	11	20.822	19.647				
25350	9	0.977	16.792	25422	8	24.491	16.812	25494	11	25.642	17.826	25566	23	24.020	18.391	25638	25	20.983	19.755				
25351	10	0.984	16.770	25423	9	25.096	16.066	25495	9	0.097	18.626	25567	23	24.020	18.391	25639	20	21.069	19.333				
25352	20	1.296	16.426	25424	10	25.736	16.216	25496	15	0.464	18.857	25568	9	24.276	18.580	25640*	43	21.606	19.790				
25353	13	1.432	16.053	25425	19	25.761	16.177	25497	18	0.973	18.977	25569	27	24.916	18.978	25641	8	22.084	19.239				
25354*	26	1.920	16.604	25426	15	25.828	16.614	25498	27	1.044	18.089	25570	8	0.110	19.492	25642	24	22.441	19.395				
25355	14	2.326	16.932	25427	30	25.992	16.530	25499	9	2.260	18.650	25571	19	0.274	19.546	25643	11	22.722	19.384				
25356	19	2.699	16.766	25428	24	0.236	17.478	25500	8	2.493	18.768	25572	15	0.456	19.844	25644	10	22.774	19.832				
25357	14	2.866	16.847	25429	8	0.464	17.160	25501	13	3.040	18.651	25573	19	1.474	19.850	25645	18	22.813	19.106				
25358	11	3.304	16.956	25430	8	0.596	17.847	25502	31	3.062	18.928	25574	24	1.561	19.464	25646	8	23.149	19.108				

25647	8	23-151	19-562	25719	12	20-042	20-092	25791	13	12-886	21-624	25863	9	7-186	22-227	25935	9	4-731	23-584
25648	22	23-434	19-102	25720	9	20-496	20-658	25792	22	12-888	21-006	25864	8	7-416	22-902	25936*	31	4-824	23-055
25649	26	23-946	19-624	25721	17	21-016	20-040	25793	10	12-935	21-693	25865	11	7-883	22-397	25937	8	5-537	23-327
25650	11	24-200	19-507	25722	16	21-059	20-240	25794	25	13-086	21-324	25866	18	7-986	22-082	25938	18	5-888	23-124
25651	13	24-754	19-952	25723	8	21-937	20-603	25795	8	13-155	21-584	25867	20	8-236	22-562	25939	8	5-900	23-952
25652	8	24-964	19-296	25724	10	22-117	20-782	25796	10	13-368	21-172	25868	8	8-306	22-653	25940	16	6-196	23-724
25653	15	25-055	19-136	25725	9	22-503	20-340	25797	11	13-536	21-590	25869	19	8-817	22-619	25941	13	6-712	23-550
25654	9	25-553	19-774	25726	8	22-528	20-688	25798	10	13-598	21-986	25870	8	8-909	22-062	25942	8	6-773	23-679
25655	20	0-148	20-298	25727	9	22-868	20-803	25799	26	13-680	21-683	25871	11	9-066	22-192	25943	8	7-234	23-692
25656	10	0-317	20-654	25728	10	22-889	20-844	25800	24	13-708	21-412	25872	8	9-274	22-202	25944	9	7-242	23-468
25657	10	0-953	20-234	25729	14	23-080	20-074	25801	8	13-720	21-952	25873	15	9-335	22-804	25945	9	7-642	23-106
25658	30	2-678	20-386	25730	8	23-171	20-397	25802	10	13-732	21-074	25874	8	9-518	22-424	25946	14	7-672	23-616
25659	10	2-770	20-176	25731	8	24-632	20-888	25803	24	14-322	21-622	25875	9	9-680	22-388	25947*	40	7-694	23-658
25660	32	2-816	20-923	25732	9	25-114	20-466	25804	17	14-366	21-984	25876	14	9-864	22-864	25948	14	8-055	23-556
25661	8	3-032	20-747	25733	10	25-114	20-526	25805	9	14-411	21-292	25877	8	9-950	22-650	25949	8	8-395	23-634
25662	13	3-436	20-104	25734	13	25-266	20-341	25806	14	14-596	21-886	25878	10	11-026	22-751	25950	8	8-421	23-901
25663	13	3-444	20-202	25735	10	25-390	20-394	25807	26	14-811	21-242	25879	12	11-497	22-335	25951	8	9-758	23-773
25664	13	3-970	20-316	25736	22	25-515	20-625	25808	28	14-987	21-878	25880	12	11-508	22-842	25952	9	10-692	23-068
25665	15	4-038	20-030	25737	10	0-376	21-133	25809	15	15-428	21-512	25881	10	11-512	22-953	25953*	38	10-704	23-998
25666	9	4-175	20-160	25738	49	0-612	21-220	25810	9	15-434	21-004	25882	24	11-768	22-275	25954	14	11-075	23-461
25667	15	4-299	20-964	25739*	46	1-860	21-232	25811	13	15-492	21-196	25883	8	12-025	22-310	25955	10	11-217	23-764
25668	25	4-498	20-299	25740	8	2-526	21-957	25812	25	16-472	21-477	25884	13	12-490	22-278	25956	21	11-254	23-698
25669	11	4-498	20-149	25741	9	2-565	21-764	25813	30	16-480	21-782	25885	10	12-806	22-464	25957	13	11-490	23-434
25670	28	4-560	20-586	25742	11	2-636	21-400	25814	17	16-950	21-748	25886	13	13-216	22-340	25958	35	11-658	23-566
25671*	47	4-810	20-018	25743	12	2-652	21-620	25815*	42	17-683	21-807	25887	11	13-236	22-507	25959	20	11-746	23-122
25672	39	4-884	20-330	25744	14	4-452	21-860	25816	8	17-685	21-223	25888	9	13-440	22-328	25960	16	12-200	23-713
25673	34	5-052	20-219	25745	13	4-626	21-353	25817	10	17-786	21-566	25889	11	14-094	22-676	25961	13	12-222	23-124
25674	13	5-112	20-207	25746	10	4-917	21-143	25818	8	18-374	21-130	25890	14	14-232	22-786	25962	17	12-255	23-918
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25676	19	6-056	20-803	25748	18	5-272	21-584	25820	17	18-688	21-526	25892	9	15-354	22-780	25964*	36	13-354	23-412
25677	10	6-550	20-233	25749	21	5-558	21-877	25821	9	18-769	21-728	25893	10	16-340	22-096	25965	25	13-502	23-917
25678	11	6-574	20-982	25750	11	5-620	21-106	25822	10	19-846	21-381	25894	9	16-416	22-760	25966	8	13-692	23-516
25679	17	6-774	20-138	25751	14	5-726	21-822	25823	30	19-866	21-290	25895	18	16-552	22-567	25967*	52	13-784	23-810
25680	20	6-786	20-133	25752	10	6-007	21-484	25824	25	20-155	21-534	25896	16	16-840	22-392	25968*	45	13-802	23-254
25681	10	6-923	20-799	25753	12	6-010	21-384	25825	20	20-248	21-800	25897	20	17-579	22-608	25969	8	14-234	23-770
25682	15	7-328	20-414	25754	9	6-687	21-246	25826	8	20-255	21-015	25898	18	17-622	22-982	25970	8	14-578	23-962
25683	12	7-727	20-845	25755	20	7-944	21-315	25827	19	21-396	21-888	25899	11	18-007	22-051	25971	30	14-583	23-320
25684	9	7-895	20-712	25756	12	8-292	21-962	25828	25	21-631	21-249	25900	9	18-312	22-236	25972	26	14-600	23-886
25685	11	8-155	20-908	25757*	36	8-385	21-810	25829	8	22-086	21-606	25901	9	19-164	22-834	25973	12	14-662	23-380
25686	16	8-316	20-098	25758	28	8-715	21-976	25830	29	22-845	21-130	25902	10	19-185	22-618	25974	12	14-800	23-945
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25688	32	9-552	20-340	25760	9	8-968	21-173	25832	12	23-305	21-878	25904	13	19-674	22-496	25976	31	15-242	23-478
25689	12	9-958	20-518	25761	10	9-202	21-598	25833	25	23-694	21-545	25905	9	19-716	22-609	25977	32	15-413	23-471
25690	22	10-100	20-202	25762	9	9-260	21-808	25834	14	23-722	21-877	25906	9	20-216	22-780	25978	20	15-626	23-506
25691	15	10-298	20-916	25763	14	9-291	21-698	25835	9	23-828	21-930	25907	10	20-226	22-300	25979	8	16-678	23-125
25692	15	10-346	20-027	25764	17	9-388	21-107	25836	9	24-032	21-770	25908	20	20-317	22-152	25980	14	16-826	23-216
25693	15	10-382	20-036	25765	16	9-702	21-356	25837	8	24-092	21-837	25909	8	20-468	22-876	25981	8	16-868	23-159
25694	19	10-490	20-800	25766	9	10-366	21-294	25838	11	24-143	21-821	25910	10	20-582	22-608	25982*	36	16-887	23-632
25695*	31	10-640	20-362	25767	14	10-662	21-290	25839	11	24-282	21-835	25911	10	20-752	22-938	25983	36	17-037	23-021
25696	29	10-645	20-739	25768	28	10-866	21-739	25840	18	24-432	21-129	25912	8	20-788	22-926	25984	14	17-056	23-271
25697	8	10-688	20-952	25769*	40	10-967	21-028	25841	11	24-955	21-943	25913	11	20-812	22-564	25985	16	17-170	23-044
25698	29	11-089	20-978	25770	8	11-004	21-397	25842	9	25-078	21-779	25914	16	21-051	22-741	25986	15	17-842	23-301
25699	16	11-117	20-948	25771	8	11-080	21-270	25843	36	25-266	21-396	25915	19	21-413	22-319	25987	8	18-062	23-192
25700	24	11-873	20-920	25772	10	11-086	21-008	25844	26	25-287	21-658	25916	12	22-173	22-690	25988	9	18-708	23-590
25701	10	12-586	20-378	25773	10	11-141	21-330	25845	8	25-586	21-910	25917	8	23-425	22-676	25989	21	18-826	23-318
25702	11	12-980	20-180	25774	22	11-157	21-079	25846	16	0-163	22-216	25918	11	24-322	22-884	25990	8	19-058	23-610
25703	18	14-006	20-759	25775*	44	11-253	21-160	25847	9	0-954	22-756	25919	10	24-359	22-196	25991	24	19-308	23-718
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25705	20	14-166	20-194	25777	21	11-280	21-505	25849	19	1-212	22-447	25921	8	24-640	22-790	25993	9	19-616	23-765
25706	9	15-375	20-486	25778	31	11-316	21-744	25850	28	1-766	22-202	25922*	48	24-774	22-186	25994	16	20-004	23-168
25707	14	16-038	20-166	25779	27	11-322	21-272	25851	18	1-873	22-144	25923*	46	24-852	22-115	25995	12	20-090	23-916
25708	10	16-466	20-032	25780	27	11-325	21-930	25852	12	2-799	22-798	25924	8	25-476	22-403	25996	14	20-282	23-332
25709*	49																		

26007	16	22-892	23-800	26079	10	21-994	24-687	<div>R.A. 7^h 32^m</div> <div>Plate 1914; 1922 Feb. 22.</div> <div>Provisional Constants</div> <div>A B C</div> <div>-01766 -00049 -5692</div> <div>D E F</div> <div>+00057 -01773 -2050</div> <div>Mag. = 15.5 - 0.96√d</div>	26207	20	25-660	0-880	26279	13	5-348	2-412
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26010*	42	23-774	23-376	26082	8	23-490	24-448		26210	37	1-104	1-422	26282	14	6-123	2-224
26011	8	23-940	23-528	26083*	42	24-096	24-424		26211	17	1-330	1-791	26283	17	6-612	2-842
26012	11	23-974	23-034	26084	11	25-644	24-832	26212	20	1-379	1-766	26284	20	7-320	2-913	
26013	15	24-365	23-568	26085	12	0-204	25-625	26213*	60	3-124	1-650	26285	12	7-770	2-042	
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26016	20	2-660	24-226	26088	12	3-238	25-276	26216	19	3-961	1-388	26288	12	9-068	2-489	
26017*	28	3-300	24-489	26089	15	3-504	25-384	26217*	52	3-979	1-752	26289	21	9-675	2-612	
26018	8	4-582	24-256	26090	20	3-592	25-999	26218	17	4-062	1-172	26290	15	10-150	2-066	
26019	10	5-685	24-613	26091	8	3-965	25-546	26219	11	4-085	1-470	26291	12	10-481	2-051	
26020	16	6-288	24-352	26092	11	4-340	25-872	26220	13	4-425	1-060	26292	22	10-610	2-636	
26021	8	6-504	24-272	26093	12	4-376	25-082	26221	24	4-771	1-665	26293	15	10-758	2-326	
26022	21	7-776	24-028	26094	8	5-004	25-788	26222	14	5-640	1-398	26294	12	11-056	2-761	
26023	18	7-797	24-534	26095	14	5-345	25-914	26223	20	5-680	1-925	26295	20	12-198	2-420	
26024	10	7-834	24-844	26096	12	5-504	25-220	26224	18	5-793	1-030	26296	20	12-591	2-928	
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26026	12	8-326	24-616	26098	21	5-986	25-257	26226*	112	6-126	1-731	26298	15	12-717	2-484	
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26028	22	8-428	24-350	26100	20	7-526	25-722	26228	11	6-800	1-906	26300	20	13-150	2-492	
26029	18	8-508	24-390	26101	15	7-574	25-774	26229	10	6-962	1-600	26301	20	13-271	2-119	
26030	19	8-674	24-250	26102	10	8-393	25-758	26230	12	7-009	1-348	26302	28	14-097	2-582	
26031	13	8-686	24-903	26103	8	9-335	25-178	26231	14	7-050	1-144	26303	13	14-789	2-546	
26032	18	8-724	24-536	26104	19	9-864	25-814	26232	24	7-147	1-023	26304	10	15-132	2-336	
26033	10	8-732	24-388	26105*	31	10-178	25-168	26233	11	7-380	1-386	26305	12	15-222	2-282	
26034	11	8-845	24-146	26106	8	10-190	25-018	26234	11	7-764	1-636	26306	26	15-420	2-060	
26035	8	9-071	24-072	26107	40	10-220	25-603	26235	21	7-870	1-800	26307	18	15-612	2-963	
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26037	9	9-204	24-560	26109	14	11-062	25-723	26237	19	9-936	1-548	26309	15	16-825	2-368	
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26041	13	9-874	24-490	26113	11	13-735	25-810	26241	22	10-688	1-158	26313*	34	17-229	2-904	
26042	11	10-803	24-075	26114	11	14-138	25-416	26242	14	10-690	1-828	26314	17	18-520	2-053	
26043	11	11-250	24-680	26115	12	14-198	25-648	26243	24	11-058	1-030	26315	20	18-795	2-754	
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26047	11	13-358	24-148	26119	34	16-936	25-536	26247	11	11-704	1-201	26319	15	19-436	2-088	
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26049	15	13-994	24-956	26121	12	17-524	25-281	26249	22	14-036	1-065	26321	12	21-362	2-856	
26050	10	14-524	24-237	26122	38	17-534	25-870	26250	15	17-062	1-267	26322	15	21-409	2-710	
26051	14	14-603	24-096	26123	26	17-897	25-763	26251	20	17-204	1-709	26323	23	21-438	2-586	
26052	14	15-152	24-914	26124	10	18-014	25-480	26252	22	18-912	1-166	26324	18	23-206	2-824	
26053	18	15-536	24-334	26125	8	18-150	25-808	26253	19	19-262	1-713	26325*	40	23-997	2-770	
26054	18	15-606	24-913	26126	10	18-587	25-378	26254	21	19-477	1-184	26326	28	24-958	2-297	
26055	20	15-829	24-649	26127	8	19-212	25-367	26255	14	19-574	1-301	26327	13	25-339	2-400	
26056	10	16-134	24-293	26128*	43	19-373	25-033	26256	12	19-624	1-640	26328	12	25-369	2-092	
26057	22	16-797	24-513	26129	14	20-017	25-873	26257	12	20-854	1-134	26329	12	25-763	2-018	
26058	11	17-232	24-619	26130	10	20-042	25-006	26258	10	21-032	1-740	26330	11	0-481	3-882	
26059	8	17-569	24-848	26131	22	20-257	25-210	26259	14	22-425	1-684	26331	25	0-884	3-341	
26060	10	17-608	24-163	26132	30	20-778	25-114	26260	16	23-020	1-130	26332*	40	1-014	3-934	
26061	8	18-164	24-684	26133	8	21-560	25-862	26261*	42	23-500	1-275	26333	13	1-238	3-742	
26062	25	18-914	24-559	26134	11	21-750	25-322	26262*	38	23-890	1-788	26334	16	1-568	3-346	
26063	9	19-074	24-200	26135	17	21-966	25-712	26263	11	24-400	1-378	26335	11	2-520	3-387	
26064	8	19-293	24-606	26136	14	22-245	25-222	26264	13	24-622	1-906	26336	22	3-891	3-945	
26065	9	19-337	24-974	26137	30	22-373	25-696	26265	10	24-765	1-974	26337	17	4-221	3-332	
26066	12	19-544	24-251	26138	12	22-502	25-830	26266	12	24-771	1-027	26338	12	4-832	3-481	
26067	8	19-641	24-612	26139	8	23-402										

26351	18	10.650	3.818	26423	14	13.063	4.728	26495	26	18.849	5.042	26567	25	18.031	6.690	26639	13	18.571	7.820
26352	10	11.912	3.474	26424*	24	13.154	4.892	26496	10	18.909	5.820	26568	22	18.065	6.812	26640	11	19.138	7.540
26353	15	12.054	3.242	26425	18	13.318	4.472	26497*	22	19.216	5.020	26569*	42	19.946	6.730	26641*	32	20.151	7.946
26354	10	12.302	3.022	26426	20	13.388	4.384	26498	19	19.534	5.141	26570*	40	20.001	6.330	26642*	43	20.208	7.648
26355	10	12.491	3.122	26427	23	13.919	4.332	26499	12	20.260	5.564	26571	20	20.327	6.466	26643	10	20.604	7.268
26356	40	13.230	3.491	26428	14	15.062	4.196	26500	11	20.648	5.562	26572	10	20.566	6.450	26644	16	20.670	7.576
26357	12	13.260	3.986	26429	13	15.283	4.840	26501	10	21.066	5.472	26573	12	21.216	6.066	26645	13	20.877	7.222
26358	23	13.398	3.472	26430	12	15.906	4.614	26502	13	21.146	5.670	26574	15	21.535	6.230	26646	12	21.406	7.294
26359	19	13.453	3.276	26431	24	16.913	4.130	26503	11	21.180	5.986	26575	15	23.562	6.101	26647	26	21.505	7.925
26360	28	13.724	3.030	26432	12	17.088	4.384	26504	12	21.412	5.048	26576	12	23.642	6.290	26648*	21	21.520	7.939
26361	11	14.178	3.621	26433	11	17.460	4.176	26505	13	21.466	5.998	26577	24	24.251	6.439	26649*	26	21.645	7.548
26362	12	14.242	3.271	26434	15	17.555	4.091	26506*	25	21.809	5.843	26578	37	24.257	6.430	26650	28	22.270	7.458
26363	16	14.592	3.770	26435	15	17.764	4.718	26507	24	23.930	5.314	26579	35	25.324	6.390	26651	12	22.788	7.956
26364	20	15.015	3.760	26436	13	18.199	4.728	26508	11	23.961	5.248	26580	12	25.539	6.832	26652	14	23.174	7.352
26365	10	15.102	3.871	26437	33	21.519	4.227	26509	19	24.100	5.954	26581	25	25.658	6.482	26653	16	23.202	7.222
26366	23	15.902	3.212	26438	15	21.535	4.695	26510	14	24.312	5.182	26582	22	25.782	6.200	26654	23	23.275	7.806
26367	20	16.051	3.129	26439	15	21.677	4.877	26511	25	25.014	5.506	26583*	35	0.820	7.498	26655	10	23.678	7.420
26368	16	16.885	3.516	26440	12	22.144	4.172	26512	30	25.496	5.730	26584*	37	1.200	7.602	26656	17	24.741	7.052
26369	24	17.276	3.566	26441*	31	22.164	4.170	26513	22	0.231	6.588	26585	15	1.525	7.800	26657	12	24.878	7.354
26370	16	17.464	3.906	26442	26	22.430	4.199	26514	11	1.002	6.330	26586	10	2.362	7.782	26658	10	24.906	7.398
26371	12	17.964	3.066	26443*	32	22.762	4.092	26515	22	1.499	6.026	26587*	36	2.462	7.716	26659	20	24.964	7.328
26372	19	18.094	3.858	26444	11	22.884	4.388	26516	16	1.634	6.840	26588*	28	3.320	7.442	26660	12	25.276	7.200
26373	16	18.437	3.062	26445	11	23.401	4.746	26517*	21	2.355	6.299	26589	13	3.640	7.685	26661	17	25.758	7.301
26374	12	18.608	3.590	26446	12	24.135	4.069	26518	13	2.526	6.740	26590	20	3.797	7.396	26662	19	25.936	7.827
26375*	40	18.700	3.040	26447	15	25.426	4.574	26519	20	2.570	6.741	26591	13	4.218	7.387	26663	29	0.124	8.482
26376	22	18.776	3.196	26448	12	0.406	5.948	26520*	28	2.698	6.328	26592	12	5.402	7.276	26664	24	0.800	8.306
26377	12	18.980	3.481	26449	11	2.498	5.944	26521	20	2.775	6.174	26593	12	7.120	7.843	26665*	55	1.564	8.128
26378	13	18.982	3.158	26450	24	2.870	5.502	26522	27	3.060	6.506	26594	40	7.750	7.193	26666	10	2.085	8.045
26379	10	20.066	3.752	26451	14	2.988	5.476	26523	15	3.170	6.142	26595*	70	8.114	7.424	26667	12	2.636	8.524
26380	15	20.372	3.414	26452	13	3.845	5.415	26524	12	3.263	6.902	26596	14	8.141	7.986	26668*	32	3.345	8.078
26381	11	20.638	3.829	26453	15	4.302	5.392	26525	21	3.365	6.322	26597	22	8.684	7.456	26669	14	4.328	8.002
26382	16	20.686	3.854	26454	16	4.622	5.429	26526	10	3.508	6.455	26598	18	8.712	7.793	26670	30	4.873	8.236
26383	10	22.308	3.331	26455	12	5.675	5.846	26527	12	4.150	6.999	26599	19	8.982	7.365	26671	10	5.277	8.298
26384	37	22.566	3.350	26456	10	6.156	5.142	26528	19	4.253	6.045	26600	15	9.080	7.693	26672	24	5.557	8.954
26385	22	22.834	3.253	26457	25	6.304	5.095	26529	32	5.158	6.576	26601	12	9.282	7.816	26673	10	5.779	8.364
26386	27	24.005	3.552	26458	16	6.985	5.209	26530	12	5.330	6.018	26602	24	9.505	7.054	26674	12	5.975	8.776
26387	30	24.310	3.364	26459*	33	7.676	5.944	26531	22	5.352	6.999	26603	11	10.080	7.381	26675	20	6.124	8.925
26388	51	24.818	3.062	26460	12	7.768	5.809	26532	12	5.625	6.887	26604	12	10.570	7.284	26676	10	7.604	8.125
26389	13	25.410	3.242	26461	18	7.916	5.910	26533	12	5.687	6.128	26605	10	10.589	7.024	26677	26	7.683	8.121
26390	42	0.167	4.820	26462	10	8.452	5.120	26534*	40	6.240	6.248	26606	20	10.740	7.417	26678	25	7.718	8.628
26391	10	0.200	4.176	26463	34	8.856	5.875	26535	14	6.801	6.914	26607	11	10.755	7.084	26679	18	8.228	8.640
26392	11	0.736	4.026	26464	26	9.430	5.894	26536	12	7.079	6.682	26608	11	10.826	7.210	26680	10	8.445	8.247
26393	10	1.082	4.337	26465	12	9.566	5.645	26537	11	7.094	6.690	26609	12	10.834	7.330	26681	10	9.521	8.348
26394	12	1.092	4.552	26466	12	9.988	5.958	26538	20	7.346	6.870	26610	10	11.017	7.488	26682	22	9.556	8.886
26395	22	1.820	4.354	26467	11	10.375	5.816	26539	20	7.622	6.260	26611	21	11.846	7.900	26683	30	9.664	8.935
26396	20	2.512	4.139	26468	12	10.720	5.180	26540	17	7.930	6.570	26612	11	12.172	7.789	26684	12	10.014	8.032
26397	15	3.306	4.418	26469	10	11.314	5.836	26541	10	8.082	6.514	26613	16	12.416	7.511	26685*	58	10.502	8.079
26398	10	3.620	4.866	26470	10	12.075	5.498	26542	19	8.516	6.525	26614	10	12.466	7.710	26686	12	10.618	8.306
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28158	32	8.668	6.462	28230	13	21.656	7.288	28302	30	25.999	8.309	28374	24	17.028	10.501	28446	24	6.140	12.980
28159*	32	8.895	6.740	28231	13	22.210	7.961	28303	18	0.515	9.040	28375*	36	17.340	10.850	28447	23	6.280	12.528
28160	15	8.990	6.580	28232	10	22.314	7.900	28304	11	2.297	9.840	28376	16	17.940	10.216	28448	10	6.666	12.340
28161*	36	9.388	6.699	28233	26	22.771	7.568	28305	10	3.207	9.759	28377*	33	19.270	10.210	28449	12	7.108	12.141
28162	10	9.998	6.170	28234	10	22.782	7.274	28306	30	3.587	9.606	28378*	40	20.612	10.326	28450*	41	10.424	12.188
28163	10	11.708	6.541	28235	10	23.312	7.508	28307	31	4.292	9.514	28379	25	21.134	10.480	28451*	26	10.686	12.084
28164	10	12.310	6.876	28236	23	23.445	7.860	28308	14	4.584	9.144	28380	29	21.552	10.797	28452*	38	10.905	12.198
28165	10	12.640	6.432	28237	10	24.130	7.912	28309	14	5.087	9.606	28381	15	22.388	10.006	28453	10	11.331	12.786
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28167	10	13.902	6.724	28239	12	24.423	7.922	28311	30	5.160	9.734	28383*	32	22.989	10.172	28455	13	12.665	12.282
28168	12	14.232	6.040	28240	21	24.812	7.169	28312	10	5.580	9.662	28384*	35	23.000	10.862	28456	11	12.862	12.320
28169	20	15.744	6.489	28241	11	24.860	7.034	28313	14	5.772	9.658	28385*	24	23.701	10.775	28457	14	13.242	12.114
28170*	35	16.084	6.547	28242	31	25.000	7.998	28314	10	5.543	9.320	28386	26	24.450	10.002	28458	11	13.500	12.676
28171	23	16.780	6.834	28243	28	25.838	7.996	28315*	35	8.855	9.156	28387	37	25.234	10.698	28459	19	13.780	12.460
28172	15	17.238	6.678	28244	19	0.035	8.870	28316	12	9.428	9.508	28388	13	25.400	10.762	28460	32	14.457	12.228
28173	10	17.736	6.562	28245	13	0.326	8.462	28317	18	9.660	9.991	28389	11	0.008	11.330	28461	19	14.724	12.214
28174	13	18.913	6.750	28246	11	0.330	8.228	28318	19	9.806	9.299	28390	36	0.050	11.121	28462	13	15.964	12.404
28175	25	19.644	6.264	28247	10	0.628	8.842	28319	11	10.836	9.710	28391	35	1.009	11.772	28463	12	17.420	12.546
28176	17	19.829	6.639	28248	15	1.283	8.838	28320	15	12.192	9.268	28392	33	1.364	11.373	28464	18	17.827	12.255
28177	19	19.884	6.016	28249	10	1.582	8.642	28321	18	12.815	9.036	28393	16	1.490	11.578	28465*	72	18.024	12.700
28178	29	20.391	6.044	28250	18	1.892	8.445	28322	18	12.941	9.264	28394	15	2.094	11.850	28466	33	18.138	12.420
28179	10	21.375	6.426	28251	11	2.850	8.870	28323	11	13.172	9.468	28395	15	2.258	11.309	28467	10	18.298	12.382
28180	10	23.701	6.800	28252	22	3.035	8.196	28324	10	13.588	9.697	28396	22	2.423	11.519	28468	30	18.420	12.800
28181	12	24.142	6.706	28253	11	3.140	8.750	28325	10	13.714	9.312	28397	27	3.102	11.070	28469	21	18.430	12.087
28182	15	24.289	6.966	28254	22	3.588	8.223	28326	24	13.962	9.288	28398	12	3.702	11.474	28470	9	19.170	12.682
28183	12	25.288	6.507	28255	19	3.873	8.318	28327	10	14.829	9.378	28399	19	5.030	11.090	28471	23	19.521	12.520
28184	37	25.508	6.640	28256	28	4.187	8.669	28328	11	16.165	9.644	28400	18	5.113	11.336	28472	33	19.806	12.160
28185	28	0.752	7.949	28257	10	4.434	8.784	28329*	40	17.579	9.919	28401	13	5.147	11.862	28473	24	19.828	12.327
28186	18	0.766	7.962	28258	14	5.050	8.520	28330	12	18.167	9.701	28402	20	6.285	11.690	28474	24	19.896	12.220
28187	28	0.884	7.569	28259	12	5.564	8.578	28331*	38	19.800	9.008	28403	10	6.375	11.350	28475	12	20.161	12.900
28188	31	1.504	7.467	28260	29	5.706	8.422	28332*	37	19.836	9.467	28404	10	6.427	11.190	28476	12	20.178	12.310
28189	11	2.410	7.344	28261	10	5.893	8.945	28333	40	19.975	9.558	28405	10	7.439	11.882	28477	17	20.289	12.390
28190	10	2.436	7.214	28262	10	6.206	8.150	28334	25	20.061	9.274	28406	14	8.440	11.208	28478	13	20.471	12.741
28191	22	2.518	7.796	28263	13	6.760	8.546	28335	19	20.482	9.662	28407*	45	10.488	11.256	28479	20	20.769	12.940
28192	11	3.972	7.016	28264*	34	6.822	8.025	28336	17	20.872	9.395	28408	17	11.592	11.612	28480	11	21.096	12.685
28193	10	4.114	7.310	28265	29	7.218	8.499	28337	10	22.546	9.950	28409	15	12.065	11.150	28481	34	21.450	12.922
28194	10	4.146	7.351	28266	32	8.096	8.864	28338	18	23.616	9.516	28410	10	13.090	11.776	28482	25	21.508	12.941
28195	17	4.200	7.286	28267	14	8.166	8.988	28339	28	23.849	9.437	28411	19	13.468	11.952	28483	13	23.351	12.770
28196	10	4.514	7.150	28268*	12	8.756	8.108	28340	17	24.194	9.384	28412	14	13.684	11.952	28484	15	23.368	12.440
28197	18	4.995	7.244	28269	10	8.815	8.903	28341	22	24.672	9.770	28413*	31	13.772	11.669	28485	27	23.582	12.875
28198	20	5.180	7.766	28270	14	9.306	8.133	28342	11	24.940	9.650	28414	17	14.825	11.132	28486	10	24.346	12.056
28199	10	5.328	7.684	28271	15	9.570	8.498	28343	11	25.345	9.720	28415	19	14.906	11.756	28487	28	24.930	12.821
28200	10	5.775	7.110	28272	25	9.726	8.430	28344	14	25.422	9.214	28416	14	15.300	11.945	28488	40	25.812	12.278
28201	14	5.902	7.432	28273	25	9.754	8.867	28345	10	25.658	9.100	28417*	37	15.570	11.928	28489	28	25.926	12.769
28202	24	5.982	7.920	28274	10	9.856	8.023	28346	20	0.420	10.700	28418	14	15.841	11.874	28490	10	25.998	12.483
28203*	33	6.488	7.967	28275	12	9.910	8.442	28347	34	1.124	10.290	28419	19	16.082	11.242	28491	10	0.095	13.414
28204	10	6.710	7.594	28276	31	9.926	8.070	28348	27	1.728	10.901	28420	27	16.570	11.760	28492	47	1.471	13.242
28205	34	9.106	7.901	28277	19	10.558	8.392	28349	29	2.875	10.965	28421*	71	18.134	11.298	28493*	34	1.846	13.894
28206	25	10.904	7.548	28278	17	10.804	8.258	28350	10	3.388	10.196	28422	12	18.424	11				

28504	15	6.392	13.050	28576	10	23.070	14.577	28648	16	5.661	16.561	28720	10	10.374	17.828	28792	36	8.889	18.522
28505	13	6.708	13.408	28577	10	23.966	14.557	28649	15	6.375	16.740	28721	26	10.688	17.276	28793	11	9.204	18.271
28506	16	7.985	13.640	28578	24	24.320	14.310	28650*	38	6.512	16.720	28722	13	10.810	17.520	28794	20	9.556	18.966
28507	14	8.596	13.902	28579	12	24.411	14.396	28651	18	6.935	16.441	28723	10	10.970	17.776	28795	10	10.110	18.614
28508	31	8.706	13.772	28580	41	25.152	14.856	28652	30	7.093	16.844	28724	23	11.966	17.618	28796	10	10.766	18.982
28509	10	8.781	13.261	28581	28	25.417	14.842	28653	12	7.296	16.398	28725	10	12.078	17.876	28797	10	10.888	18.220
28510	12	8.960	13.276	28582	28	0.036	15.704	28654	13	7.962	16.043	28726*	34	12.214	17.912	28798	33	10.994	18.900
28511	12	9.875	13.379	28583	13	0.117	15.730	28655	35	8.651	16.158	28727	35	12.524	17.729	28799	19	11.632	18.935
28512	31	12.360	13.145	28584	10	0.505	15.498	28656	12	9.120	16.380	28728	14	12.578	17.400	28800	12	11.710	18.785
28513	20	12.376	13.612	28585	10	0.868	15.207	28657	40	10.441	16.542	28729	10	12.696	17.196	28801	21	11.785	18.472
28514*	30	12.481	13.486	28586	14	2.492	15.820	28658	13	10.798	16.396	28730	16	12.966	17.268	28802	16	12.344	18.800
28515	13	12.702	13.658	28587	43	2.744	15.650	28659	10	11.276	16.659	28731	10	13.676	17.142	28803	11	12.366	18.624
28516	28	13.274	13.555	28588	17	3.886	15.582	28660	13	11.770	16.385	28732	10	14.787	17.320	28804	10	12.927	18.260
28517	10	15.332	13.903	28589	18	2.960	15.765	28661	10	11.774	16.786	28733	10	14.819	17.560	28805	10	13.266	18.031
28518	10	15.473	13.092	28590	16	2.992	15.900	28662	40	12.220	16.990	28734	20	15.126	17.335	28806	33	13.424	18.562
28519	34	15.716	13.650	28591	34	3.250	15.044	28663	12	13.093	16.640	28735	38	15.132	17.445	28807	11	13.454	18.634
28520	23	17.435	13.613	28592*	33	3.364	15.116	28664	10	13.268	16.733	28736	28	15.725	17.858	28808	29	13.791	18.822
28521	18	17.477	13.739	28593	31	3.636	15.498	28665	29	13.592	16.328	28737	30	15.774	17.729	28809	36	13.888	18.092
28522	18	19.252	13.601	28594	12	5.151	15.989	28666	10	13.674	16.793	28738	21	15.798	17.673	28810	11	14.060	18.712
28523	29	21.130	13.236	28595	10	5.571	15.838	28667	23	13.698	16.554	28739	21	15.818	17.326	28811	10	14.606	18.428
28524	10	21.279	13.566	28596	16	7.050	15.268	28668	16	14.565	16.156	28740	10	16.126	17.198	28812	32	14.626	18.988
28525	13	21.602	13.564	28597	10	7.414	15.724	28669	12	14.588	16.190	28741	25	16.200	17.507	28813	29	14.726	18.425
28526	24	22.654	13.592	28598	32	7.821	15.784	28670	17	14.994	16.778	28742	28	16.822	17.850	28814	30	14.844	18.508
28527	26	23.142	13.842	28599	10	10.537	15.758	28671	10	15.587	16.471	28743	10	17.108	17.290	28815	31	15.020	18.963
28528	34	24.062	13.865	28600	34	11.116	15.834	28672	15	15.942	16.608	28744	12	18.416	17.391	28816	15	15.110	18.789
28529	12	24.578	13.371	28601	17	11.322	15.773	28673	14	16.001	16.240	28745	10	18.595	17.676	28817	13	15.783	18.200
28530	22	24.641	13.456	28602	26	11.746	15.854	28674	10	16.312	16.488	28746	12	18.696	17.330	28818	12	15.799	18.498
28531	10	25.384	13.208	28603	26	12.505	15.300	28675	11	16.331	16.082	28747	15	18.768	17.216	28819	10	15.803	18.183
28532	33	0.111	14.104	28604	10	13.154	15.558	28676	26	16.340	16.581	28748	23	19.613	17.796	28820	15	16.757	18.324
28533	12	0.482	14.541	28605	17	13.526	15.389	28677	19	16.630	16.884	28749	14	19.652	17.008	28821	17	17.073	18.195
28534	20	1.240	14.410	28606	40	14.056	15.097	28678	27	16.768	16.838	28750*	40	19.867	17.336	28822	12	17.180	18.340
28535*	45	1.552	14.180	28607	10	14.205	15.432	28679	16	16.928	16.374	28751	19	20.232	17.275	28823	11	17.320	18.353
28536	28	1.869	14.767	28608	34	15.435	15.648	28680	32	16.950	16.910	28752	14	20.601	17.542	28824	10	17.462	18.128
28537	13	2.151	14.988	28609*	36	15.856	15.050	28681	17	17.138	16.593	28753	26	20.614	17.913	28825	18	18.092	18.635
28538	13	3.322	14.235	28610	14	16.519	15.009	28682	41	17.300	16.640	28754	16	21.754	17.364	28826	25	18.107	18.070
28539	28	3.599	14.880	28611	38	17.079	15.630	28683	27	17.390	16.078	28755	20	21.760	17.100	28827	12	18.112	18.231
28540	13	3.610	14.580	28612	34	17.320	15.151	28684	12	17.548	16.918	28756	24	21.928	17.990	28828	12	18.479	18.991
28541	10	3.700	14.840	28613	13	18.100	15.238	28685	40	17.830	16.988	28757	10	22.261	17.384	28829	23	18.593	18.668
28542	10	4.380	14.036	28614	18	18.214	15.698	28686	10	17.864	16.980	28758	11	22.390	17.840	28830	13	18.655	18.920
28543	10	4.930	14.488	28615	24	18.281	15.450	28687	11	18.100	16.803	28759	29	22.593	17.726	28831	33	18.774	18.902
28544	19	4.953	14.838	28616	25	18.342	15.118	28688	11	18.562	16.676	28760	12	23.198	17.844	28832	16	18.806	18.400
28545	24	6.118	14.410	28617	10	18.673	15.184	28689*	47	19.105	16.700	28761	27	23.406	17.490	28833	11	19.030	18.124
28546*	37	6.294	14.480	28618	13	19.470	15.588	28690	10	19.289	16.809	28762	10	23.824	17.444	28834	14	19.318	18.943
28547	10	8.054	14.390	28619	39	19.792	15.542	28691	14	19.964	16.223	28763	11	23.892	17.871	28835	10	20.095	18.350
28548	14	8.446	14.402	28620	13	20.612	15.818	28692	32	21.120	16.995	28764	17	24.149	17.220	28836	10	20.350	18.613
28549	10	8.590	14.248	28621	37	20.878	15.308	28693	15	21.338	16.313	28765	28	24.165	17.110	28837	12	20.362	18.840
28550	11	8.718	14.220	28622	20	20.925	15.770	28694	10	23.776	16.538	28766	36	24.176	17.008	28838	24	20.959	18.990
28551*	36	8.900	14.915	28623	10	21.790	15.329	28695	13	23.950	16.230	28767	20	24.302	17.972	28839	12	20.972	18.080
28552	20	9.244	14.311	28624	10	24.216	15.580	28696	10	24.716	16.968	28768	28	24.451	17.439	28840	11	21.398	18.995
28553	14	9.586	14.996	28625	34	25.191	15.968	28697	12	25.582	16.414	28769	12	24.772	17.785	28841	24	21.400	18.482
28554*	32	10.551	14.294	28626	10	25.690	15.130	28698	10	25.620	16.434	28770	27	24.924	17.300	28842	19	22.674	18.579
28555	27	10.840	14.245	28627	31	25.857	15.566	28699	16	0.125	17.034	28771	18	25.473	17.813	28843	27	23.526	18.617
28556	9	11.118	14.490	28628	18	25.902	15.984	28700	10	0.626	17.865	28772	20	0.126	18.174	28844*	41	23.700	18.634
28557	26	11.199	14.357	28629	10	0.018	16.039	28701	10	2.077	17.486	28773	26	0.324	18.899	28845*	41	24.002	18.213
28558	28	12.272	14.222	28630	15	0.026	16.362	28702	11	2.985	17.138	28774	10	0.742	18.575	28846	42	24.208	18.969
28559	32	13.700	14.839	28631	27	0.168	16.159	28703	26	3.121	17.364	28775	38	0.838	18.226	28847	25	24.368	18.546
28560	10	14.121	14.570	28632	13	0.388	16.850	28704	14	3.187	17.109	28776	16	1.481	18.558	28848	31	24.760	18.932
28561	22	15.090	14.542	28633	21	1.025	16.386	28705	13	3.436	17.462	28777	27	2.062	18.770	28849	26	0.402	19.206
28562	28	15.269	14.736	28634	30	1.076	16.648	28706	10	4.152	17.990	28778	17	2.293	18.837	28850	20	0.742	19.920
28563	11	16.313	14.952	28635	13	1.592	16.620	28707	12	4.320	17.782	28779	19	2.474	18.004	28851	19	0.968	19.250
28564	24	17.054	14.752	28636	23	2.155	16.300	28708	19	6.277	17.340	28780	26	2.832	18.576	28852	37	0.972	19.566
28565	10	17.144	14.162	28637	10	2.340	16.120	28709	12	6.302	17.249	2878							

28864	28	5.482	19.486	28936	18	15.229	19.996	29008*	43	13.798	20.091	29080	36	2.574	21.360	29152	13	22.088	21.922
28865	12	5.926	19.094	28937	13	15.306	19.124	29009	15	13.799	20.048	29081	18	2.855	21.067	29153	17	22.458	21.582
28866	12	6.466	19.456	28938	10	15.310	19.258	29010	10	13.861	20.224	29082	20	3.132	21.112	29154	14	22.510	21.708
28867	10	6.848	19.112	28939	28	15.458	19.734	29011	32	13.976	20.175	29083	22	3.432	21.407	29155	18	22.535	21.858
28868	20	8.084	19.648	28940	31	15.769	19.400	29012	10	14.034	20.144	29084	23	3.768	21.782	29156	10	22.570	21.362
28869	16	8.224	19.034	28941	33	15.804	19.050	29013	19	14.050	20.192	29085	25	3.812	21.506	29157	21	23.754	21.760
28870*	44	8.384	19.897	28942	14	16.157	19.994	29014	19	14.194	20.051	29086	12	3.874	21.674	29158	34	23.813	21.703
28871	13	9.768	19.764	28943	31	16.162	19.232	29015	26	14.286	20.221	29087	10	4.018	21.590	29159	13	25.083	21.439
28872	10	9.825	19.590	28944	15	16.202	19.694	29016	13	14.399	20.046	29088*	35	4.145	21.406	29160	10	25.123	21.478
28873	18	10.964	19.142	28945	35	16.304	19.984	29017	10	14.400	20.924	29089*	35	4.268	21.216	29161	26	25.386	21.524
28874	30	11.016	19.377	28946	31	16.550	19.188	29018	34	14.702	20.210	29090*	35	4.328	21.083	29162	24	25.590	21.380
28875	20	11.133	19.587	28947	31	16.652	19.903	29019	17	14.741	20.936	29091	13	4.644	21.300	29163	30	25.665	21.446
28876	10	11.508	19.192	28948*	35	16.690	19.221	29020	30	14.752	20.614	29092	10	6.380	21.076	29164	12	25.747	21.492
28877	16	12.254	19.442	28949	10	16.940	19.330	29021*	39	14.834	20.836	29093	10	6.407	21.794	29165	19	25.850	21.399
28878	10	12.492	19.108	28950	12	17.220	19.066	29022*	35	15.074	20.138	29094	12	6.522	21.160	29166	36	1.540	22.648
28879	15	12.500	19.989	28951	36	17.260	19.371	29023	35	15.214	20.277	29095	13	6.852	21.366	29167	10	1.738	22.434
28880	21	12.872	19.068	28952	22	17.266	19.190	29024	15	15.517	20.460	29096	10	7.279	21.640	29168	12	1.849	22.318
28881	11	12.919	19.384	28953	13	17.919	19.326	29025	11	15.691	20.288	29097	19	7.313	21.681	29169	20	2.015	22.504
28882	35	13.086	19.492	28954	11	17.922	19.174	29026	37	15.880	20.466	29098	11	7.449	21.310	29170	12	2.230	22.895
28883	25	13.276	19.259	28955	11	18.163	19.650	29027	14	15.886	20.580	29099	25	7.708	21.690	29171	10	2.307	22.360
28884	12	13.344	19.629	28956	23	18.498	19.090	29028	13	15.897	20.527	29100	11	8.026	21.111	29172	10	2.384	22.774
28885	10	13.372	19.312	28957	13	20.060	19.140	29029	19	16.054	20.121	29101*	40	9.650	21.128	29173	10	2.648	22.645
28886	12	13.392	19.708	28958	15	20.384	19.961	29030	15	16.126	20.134	29102	27	9.695	21.300	29174	12	3.400	22.914
28887	13	13.514	19.545	28959	17	20.774	19.660	29031	13	16.292	20.522	29103	15	10.623	21.532	29175	11	3.878	22.930
28888	29	13.670	19.626	28960	27	21.380	19.102	29032	10	16.343	20.058	29104*	33	11.125	21.770	29176	11	4.066	22.622
28889*	40	13.754	19.660	28961	24	21.992	19.862	29033	10	16.472	20.039	29105	10	11.236	21.530	29177*	52	4.076	22.683
28890	10	13.756	19.811	28962	19	22.071	19.163	29034	11	16.500	20.186	29106	36	11.968	21.375	29178	14	4.146	22.249
28891*	35	13.804	19.492	28963	27	22.514	19.186	29035	10	16.504	20.052	29107	32	12.336	21.973	29179*	36	4.217	22.770
28892	10	13.834	19.552	28964	10	22.736	19.850	29036	33	16.600	20.666	29108	10	12.744	21.834	29180	10	4.698	22.815
28893	20	13.882	19.934	28965	11	23.382	19.724	29037	34	16.603	20.785	29109	34	13.400	21.357	29181	13	4.942	22.894
28894	38	13.901	19.650	28966	10	23.788	19.560	29038	10	16.913	20.512	29110	32	13.579	21.380	29182	11	5.180	22.668
28895	35	13.909	19.968	28967	16	24.076	19.167	29039	11	17.151	20.760	29111	10	13.652	21.461	29183	28	5.908	22.700
28896	36	13.960	19.372	28968	10	24.180	19.248	29040	12	17.556	20.832	29112	10	14.004	21.856	29184	15	6.730	22.548
28897	17	13.985	19.540	28969	42	25.574	19.540	29041	14	18.346	20.718	29113	33	14.144	21.051	29185	12	6.791	22.800
28898	12	14.007	19.690	28970	34	25.910	19.598	29042	10	18.672	20.011	29114	28	14.156	21.174	29186	26	6.854	22.796
28899	35	14.016	19.391	28971	13	0.631	20.654	29043	10	18.917	20.768	29115	34	14.452	21.803	29187	12	7.150	22.820
28900	11	14.016	19.442	28972	46	1.366	20.106	29044	33	19.348	20.630	29116	10	14.470	21.743	29188	27	7.229	22.980
28901	31	14.030	19.510	28973	16	2.184	20.492	29045	13	20.158	20.526	29117	33	14.557	21.102	29189*	55	7.613	22.939
28902	20	14.044	19.760	28974	16	3.072	20.110	29046	15	20.565	20.460	29118	10	14.620	21.940	29190	25	8.045	22.865
28903	24	14.072	19.470	28975	34	3.820	20.958	29047	12	20.923	20.511	29119	34	14.665	21.780	29191	20	8.172	22.892
28904	46	14.098	19.759	28976	23	3.826	20.426	29048	27	21.116	20.282	29120	14	14.789	21.077	29192	10	8.520	22.974
28905	29	14.102	19.010	28977	10	3.834	20.276	29049	10	21.224	20.494	29121	14	14.910	21.080	29193	34	9.016	22.129
28906	17	14.122	19.762	28978	13	4.040	20.239	29050	11	21.525	20.249	29122	11	15.076	21.176	29194	10	9.286	22.050
28907	26	14.140	19.580	28979	30	4.922	20.308	29051	16	21.650	20.600	29123	17	15.238	21.819	29195	13	9.304	22.787
28908	14	14.150	19.934	28980	29	5.070	20.510	29052	28	22.034	20.421	29124	11	15.512	21.449	29196	10	10.022	22.812
28909	36	14.160	19.278	28981	34	5.649	20.182	29053	23	22.215	20.137	29125	22	16.010	21.024	29197	16	10.040	22.825
28910	33	14.164	19.845	28982	10	5.692	20.808	29054	20	22.256	20.880	29126	26	16.031	21.122	29198	23	10.049	22.294
28911	21	14.180	19.368	28983	35	6.525	20.739	29055	10	22.674	20.210	29127	11	16.204	21.092	29199	11	10.342	22.384
28912	39	14.180	19.740	28984*	40	7.650	20.656	29056	34	22.688	20.292	29128	32	16.358	21.330	29200	40	10.848	22.898
28913	18	14.191	19.780	28985	20	7.901	20.060	29057	10	22.765	20.605	29129	22	16.372	21.490	29201	25	10.951	22.910
28914	43	14.228	19.842	28986	32	8.009	20.172	29058	37	23.084	20.950	29130	10	17.240	21.820	29202	14	11.448	22.652
28915	12	14.238	19.786	28987	10	8.330	20.640	29059	10	23.099	20.868	29131	10	17.526	21.108	29203	19	12.139	22.004
28916	30	14.290	19.881	28988	17	8.645	20.690	29060	17	23.412	20.312	29132	10	17.808	21.647	29204	31	12.216	22.238
28917	30	14.290	19.917	28989	32	8.826	20.166	29061	10	23.483	20.206	29133	16	18.328	21.232	29205	10	12.416	22.864
28918	18	14.318	19.714	28990	10	10.260	20.654	29062	13	23.642	20.262	29134	10	18.374	21.273	29206	13	12.558	22.061
28919	23	14.324	19.888	28991	10	10.744	20.196	29063	23	23.670	20.277	29135	13	18.375	21.989	29207	26	13.049	22.684
28920	10	14.325	19.576	28992	23	10.875	20.226	29064	30	24.689	20.621	29136	16	18.586	21.832	29208	36	13.250	22.165
28921	10	14.404	19.156	28993	21	11.236	20.754	29065	14	25.054	20.475	29137	14	18.606	21.134	29209	22	13.272	22.823
28922	10	14.464	19.506	28994	34	11.468	20.343	29066	36	25.289	20.122	29138	13	18.630	21.381	29210	10	13.764	22.428
28923	11	14.466	19.158	28995	11	11.812	20.108	29067	10	25.354	20.726	29139	10	18.771	21.992	29211	14	13.810	22.247
28924	37	14.512	19.714	28996	14	12.189	20.201	29068	10	25.530	20.480	29140	19	18.950	21.290	29212	12	14.247	22.719
28925	42	14.534	19.560	28997	25	12.339	20.646	29069	15	25.985	20.								

29224	12	18.574	22.645	29296	15	13.394	23.332	29368	20	9.189	24.954	29440	32	5.930	25.904	29512	35	23.964	25.290
29225	10	18.692	22.945	29297*	41	14.250	23.980	29369	21	10.488	24.839	29441	21	6.531	25.542	29513	10	24.442	25.217
29226	35	18.938	22.210	29298	10	14.257	23.368	29370	13	10.536	24.212	29442	20	6.760	25.700	29514	12	24.932	25.536
29227	20	18.970	22.434	29299	29	15.048	23.134	29371	19	10.698	24.828	29443	11	6.916	25.170	29515	19	25.090	25.750
29228	10	19.166	22.790	29300	33	15.086	23.450	29372	16	10.970	24.314	29444	15	6.932	25.820	29516	13	25.866	25.484
29229	10	19.278	22.730	29301	32	15.341	23.368	29373	29	11.026	24.226	29445	27	7.006	25.766				
29230	10	19.284	22.323	29302*	36	15.768	23.004	29374	26	11.041	24.255	29446	12	7.062	25.208				
29231	13	19.326	22.612	29303	12	16.481	23.178	29375	13	11.366	24.057	29447	35	7.242	25.242				
29232	10	19.598	22.711	29304	12	16.530	23.010	29376	10	11.894	24.447	29448	18	7.406	25.390				
29233	14	19.858	22.438	29305	10	16.651	23.330	29377*	39	11.900	24.744	29449	10	7.502	25.498				
29234	27	19.920	22.851	29306	20	16.680	23.500	29378	12	11.944	24.734	29450	11	7.836	25.404				
29235	10	20.644	22.909	29307	23	16.717	23.320	29379	12	11.966	24.308	29451	10	7.889	25.251				
29236	42	20.968	22.665	29308	23	16.742	23.506	29380	10	12.240	24.051	29452	11	8.014	25.577				
29237	17	21.339	22.934	29309	17	16.910	23.642	29381*	42	12.720	24.160	29453	10	8.430	25.767				
29238	11	21.798	22.947	29310	13	17.374	23.604	29382	14	12.743	24.519	29454	10	8.546	25.716				
29239	16	22.160	22.930	29311	10	17.700	23.440	29383	30	12.815	24.539	29455	16	8.756	25.872				
29240	40	22.965	22.656	29312	10	17.755	23.870	29384	11	13.152	24.292	29456	11	8.760	25.256				
29241	31	23.086	22.900	29313	11	17.834	23.681	29385	12	13.458	24.950	29457	13	9.548	25.061				
29242	32	23.896	22.261	29314	14	17.928	23.366	29386	11	14.139	24.258	29458	10	9.684	25.680				
29243	17	24.020	22.048	29315	12	18.100	23.459	29387	21	14.278	24.292	29459	10	9.686	25.550				
29244	25	24.152	22.242	29316	10	18.176	23.498	29388*	55	14.636	24.280	29460	23	9.925	25.052				
29245	16	24.470	22.904	29317	31	19.208	23.748	29389	13	14.672	24.978	29461	28	10.064	25.638				
29246	11	24.864	22.282	29318	34	19.370	23.500	29390	28	14.729	24.322	29462	37	10.161	25.824				
29247	10	25.652	22.056	29319*	47	19.570	23.192	29391	19	15.024	24.090	29463	29	10.304	25.200				
29248	12	25.840	22.968	29320	34	19.622	23.059	29392	11	15.133	24.154	29464	15	10.404	25.427				
29249	15	25.885	22.410	29321	13	19.790	23.499	29393	19	16.751	24.210	29465	11	10.943	25.861				
29250	19	25.971	22.147	29322	41	20.251	23.921	29394	10	16.869	24.216	29466	19	11.276	25.322				
29251	29	0.008	23.157	29323	30	20.291	23.424	29395	10	16.900	24.391	29467	12	11.890	25.563				
29252	12	0.332	23.102	29324	12	20.403	23.105	29396	27	17.040	24.914	29468	10	11.940	25.965				
29253	11	0.448	23.649	29325	12	20.750	23.156	29397	18	17.055	24.310	29469	11	12.000	25.670				
29254	28	0.795	23.180	29326	16	21.982	23.950	29398	10	17.339	24.028	29470	10	12.081	25.190				
29255	10	1.029	23.480	29327*	42	22.014	23.821	29399	28	17.357	24.596	29471	27	12.229	25.170				
29256	12	1.242	23.620	29328	20	22.369	23.612	29400	12	17.670	24.135	29472	12	13.414	25.589				
29257	33	1.661	23.601	29329	24	22.462	23.265	29401*	85	17.734	24.452	29473	40	13.713	25.330				
29258	11	1.808	23.282	29330*	43	23.150	23.580	29402	10	17.943	24.063	29474	11	13.822	25.468				
29259	31	2.582	23.705	29331	39	23.190	23.600	29403	16	18.048	24.516	29475	12	14.203	25.476				
29260	10	3.134	23.360	29332	10	23.477	23.503	29404	22	18.092	24.208	29476	10	14.247	25.010				
29261	33	3.868	23.507	29333	17	23.612	23.728	29405	11	18.214	24.202	29477	29	14.520	25.860				
29262	37	3.946	23.704	29334	12	23.652	23.216	29406	33	18.295	24.870	29478	12	14.534	25.872				
29263	10	4.090	23.678	29335	30	23.774	23.882	29407	21	19.073	24.239	29479	10	14.660	25.627				
29264	32	4.739	23.417	29336	12	23.848	23.180	29408	31	19.093	24.858	29480	10	14.880	25.736				
29265	15	4.846	23.419	29337	29	24.378	23.058	29409	13	19.188	24.230	29481	17	15.185	25.766				
29266*	47	5.258	23.592	29338	13	24.540	23.632	29410	23	19.634	24.070	29482	28	15.336	25.725				
29267	12	6.214	23.061	29339	16	24.622	23.718	29411	36	19.712	24.794	29483	25	15.655	25.434				
29268	12	6.470	23.392	29340	48	0.582	24.436	29412	27	20.552	24.811	29484	10	15.732	25.380				
29269	28	6.704	23.604	29341	10	0.865	24.048	29413	33	20.956	24.852	29485	28	15.776	25.550				
29270	18	6.999	23.649	29342	30	1.019	24.788	29414	33	21.664	24.060	29486	19	15.851	25.410				
29271	28	7.336	23.330	29343	29	1.425	24.194	29415	12	21.798	24.330	29487	16	16.084	25.730				
29272*	38	7.640	23.022	29344	13	1.560	24.603	29416	10	22.204	24.770	29488	16	16.280	25.607				
29273	27	7.720	23.834	29345	19	1.597	24.540	29417	12	22.411	24.170	29489	17	16.439	25.514				
29274	11	7.971	23.750	29346	12	2.860	24.988	29418	13	23.176	24.322	29490	39	16.526	25.990				
29275	28	8.088	23.848	29347	38	2.896	24.276	29419*	50	23.440	24.438	29491	11	16.536	25.476				
29276	10	8.254	23.948	29348	29	3.148	24.334	29420	11	23.966	24.219	29492	11	17.116	25.470				
29277	30	8.525	23.472	29349	10	3.624	24.778	29421	13	24.715	24.565	29493	31	17.420	25.201				
29278	12	8.825	23.149	29350	40	3.864	24.414	29422*	46	24.906	24.461	29494	11	17.554	25.602				
29279	10	9.075	23.690	29351*	49	4.226	24.878	29423	22	24.917	24.161	29495	10	17.901	25.549				
29280	18	9.323	23.207	29352	11	4.638	24.850	29424	10	25.110	24.892	29496	15	17.998	25.770				
29281	28	9.360	23.792	29353	26	5.042	24.458	29425	24	25.499	24.545	29497	34	18.764	25.196				
29282	10	10.503	23.156	29354	11	5.534	24.312	29426	32	0.220	25.210	29498	12	18.808	25.084				
29283*	35	10.526	23.650	29355	12	5.580	24.192	29427	10	0.922	25.789	29499	14	19.022	25.912				
29284	11	10.600	23.686	29356	33	5.684	24.244	29428*	34	2.644	25.050	29500*	42	19.024	25.156				
29285	16	10.898	23.130	29357	10	6.080	24.228	29429	35	3.056	25.894	29501	21	19.181	25.619				
29286	31	11.081	23.560	29358	14	6.097	24.411	29430	32	3.125	25.811	29502	30	19.240	25.798				
29287	16	11.654	23.518	29359	13	6.199	24.871	29431	31	3.410	25.795	29503	10	19.320	25.626				
29288	20	11.664	23.155	29360	24	6.852	24.300	29432	32	4.002	25.271	29504	29	20.146	25.406				
29289	28	11.900	23.526	29361	11	7.110	24.060	29433	18	4.380	25.020	29505	11	20.164	25.136				
29290	33	12.014	23.986	29362	16	7.357	24.102	29434	33	4.385	25.838	29506	11	20.386	25.559				
29291	18	12.206	23.724	29363	33	7.682	24.074	29435	16	4.880	25.520	29507	21	20.698	25.836				
29292	28	12.414	23.730	29364	40	8.255	24.657	29436	10	5									

29594	10	17.718	0.324	29666	8	18.322	1.739	29738	8	16.600	2.424	29810	33	20.128	3.806	29882	19	15.705	4.662
29595	20	18.031	0.270	29667	10	18.447	1.700	29739	8	16.613	2.901	29811	11	20.150	3.897	29883	8	15.906	4.412
29596	12	18.705	0.242	29668*	44	18.552	1.439	29740	10	17.162	2.392	29812	10	20.926	3.958	29884	24	16.254	4.626
29597	11	18.868	0.340	29669	8	19.024	1.452	29741	25	17.634	2.977	29813	20	21.358	3.374	29885	14	16.356	4.546
29598	9	20.798	0.042	29670	12	19.056	1.625	29742	24	17.676	2.547	29814*	35	21.515	3.096	29886	8	16.695	4.402
29599	9	21.356	0.732	29671	20	19.239	1.234	29743	16	18.247	2.048	29815*	39	21.778	3.087	29887	13	16.796	4.858
29600	13	21.458	0.700	29672	8	19.256	1.438	29744	12	18.616	2.343	29816	9	21.923	3.198	29888	11	16.889	4.988
29601	26	22.237	0.947	29673	8	19.428	1.308	29745	8	19.136	2.366	29817	9	21.946	3.308	29889	9	16.910	4.764
29602	15	22.846	0.196	29674	12	19.460	1.407	29746	13	19.456	2.612	29818	18	22.088	3.268	29890	10	16.983	4.257
29603	25	23.730	0.917	29675	11	20.340	1.164	29747	18	19.459	2.024	29819	25	22.316	3.458	29891	9	17.186	4.024
29604	29	23.816	0.193	29676	17	20.644	1.254	29748	8	19.665	2.787	29820	14	22.434	3.548	29892	8	17.759	4.144
29605	13	23.980	0.792	29677	23	20.952	1.006	29749	9	19.751	2.642	29821	23	22.522	3.637	29893	10	18.006	4.786
29606	8	24.868	0.508	29678*	36	21.283	1.466	29750	10	19.868	2.572	29822	14	22.801	3.202	29894	31	18.199	4.612
29607	12	25.248	0.962	29679	9	21.400	1.916	29751	10	19.893	2.942	29823*	30	23.064	3.840	29895	9	18.276	4.960
29608	19	25.816	0.808	29680*	39	22.652	1.748	29752	12	20.128	2.092	29824	8	23.252	3.146	29896	8	18.341	4.310
29609	20	0.154	1.186	29681	18	23.443	1.658	29753	9	20.502	2.256	29825	17	23.629	3.356	29897	10	18.370	4.219
29610	10	0.890	1.971	29682	23	23.598	1.446	29754	10	20.969	2.180	29826*	31	23.710	3.445	29898	31	18.796	4.444
29611	11	1.014	1.133	29683	13	24.686	1.296	29755	9	21.200	2.790	29827	16	24.264	3.923	29899	10	19.082	4.100
29612*	55	1.406	1.932	29684	16	0.385	2.819	29756	10	21.748	2.782	29828	25	25.022	3.542	29900	9	19.274	4.556
29613	11	1.432	1.221	29685	9	0.731	2.694	29757	13	21.894	2.187	29829	8	25.964	3.035	29901	14	19.286	4.650
29614	21	1.660	1.360	29686	11	1.824	2.448	29758	9	22.344	2.656	29830	8	0.035	4.527	29902	19	20.048	4.361
29615	16	1.748	1.594	29687	10	1.883	2.232	29759	11	22.599	2.156	29831	8	0.371	4.942	29903	24	20.733	4.222
29616	8	1.778	1.180	29688	8	2.115	2.651	29760	8	22.768	2.660	29832	18	1.064	4.064	29904	8	20.754	4.772
29617	20	2.184	1.868	29689	18	2.119	2.062	29761	9	22.944	2.187	29833	30	1.278	4.384	29905	12	20.902	4.398
29618	19	2.458	1.250	29690	18	2.230	2.272	29762	9	23.595	2.034	29834*	38	1.306	4.816	29906	8	21.364	4.654
29619	10	2.910	1.298	29691	20	2.380	2.054	29763	19	24.206	2.462	29835	17	1.650	4.784	29907	34	21.898	4.049
29620	8	3.123	1.630	29692	20	2.475	2.118	29764	29	24.361	2.410	29836	9	1.732	4.169	29908	10	22.346	4.952
29621	28	3.482	1.248	29693	13	2.584	2.738	29765	21	24.374	2.661	29837	17	1.992	4.413	29909	17	23.051	4.293
29622	8	3.494	1.801	29694	13	3.346	2.439	29766	11	24.524	2.546	29838	15	2.130	4.418	29910*	49	23.566	4.076
29623	8	3.496	1.021	29695	10	3.477	2.632	29767	8	24.568	2.120	29839	31	2.278	4.470	29911	27	24.978	4.442
29624	14	3.694	1.400	29696	15	3.629	2.148	29768	8	25.910	2.980	29840	13	2.388	4.464	29912	12	25.006	4.026
29625	17	4.311	1.536	29697	8	3.892	2.794	29769	9	0.470	3.094	29841	27	2.616	4.084	29913	8	25.154	4.144
29626	8	4.396	1.929	29698	17	4.213	2.720	29770	14	0.532	3.310	29842	25	2.978	4.516	29914	16	25.264	4.464
29627	11	4.724	1.768	29699	22	4.324	2.279	29771	12	0.670	3.049	29843	22	3.192	4.761	29915	12	0.162	5.394
29628	31	4.957	1.247	29700*	38	4.536	2.796	29772*	27	1.985	3.726	29844	18	3.275	4.225	29916	33	0.204	5.039
29629	24	5.297	1.458	29701	8	4.875	2.642	29773	10	3.512	3.485	29845	14	3.806	4.580	29917	8	0.415	5.466
29630	8	5.416	1.464	29702	19	5.270	2.614	29774	17	3.994	3.330	29846	16	4.056	4.599	29918	10	0.438	5.927
29631	15	5.526	1.930	29703	21	5.332	2.520	29775	9	4.167	3.883	29847	10	4.064	4.115	29919	9	0.626	5.398
29632	8	5.726	1.796	29704	20	5.416	2.582	29776	13	4.672	3.694	29848	20	4.394	4.717	29920	14	1.324	5.562
29633	8	6.752	1.624	29705	12	5.772	2.604	29777	17	5.273	3.492	29849	20	4.414	4.706	29921	16	1.621	5.604
29634	21	7.360	1.330	29706	11	5.856	2.489	29778	12	6.942	3.803	29850	14	4.682	4.406	29922	14	2.364	5.249
29635	33	7.380	1.046	29707*	40	5.947	2.080	29779	28	7.358	3.476	29851*	48	4.963	4.414	29923	14	2.624	5.454
29636	13	8.434	1.956	29708	19	6.344	2.686	29780	8	7.386	3.852	29852	8	5.286	4.836	29924*	31	2.692	5.690
29637*	24	10.004	1.424	29709	32	6.942	2.540	29781	16	7.554	3.627	29853	18	5.946	4.342	29925	8	2.956	5.334
29638	14	10.508	1.154	29710	16	7.358	2.252	29782	10	7.820	3.676	29854	9	6.800	4.121	29926	12	4.280	5.524
29639	11	10.615	1.710	29711	14	7.466	2.774	29783*	42	8.297	3.834	29855	31	7.762	4.068	29927	12	4.568	5.043
29640	9	10.904	1.454	29712	20	7.468	2.540	29784	8	8.978	3.022	29856	14	8.366	4.340	29928	8	4.797	5.071
29641	24	11.359	1.504	29713	14	8.136	2.198	29785	13	9.573	3.714	29857	11	8.652	4.420	29929	31	5.614	5.686
29642	25	11.784	1.406	29714	8	8.217	2.594	29786	25	9.623	3.500	29858	18	9.386	4.107	29930	18	5.664	5.243
29643	13	12.078	1.186	29715	10	9.101	2.536	29787	18	10.216	3.717	29859	9	9.699	4.078	29931	12	5.953	5.896
29644	14	12.246	1.291	29716	8	9.260	2.005	29788*	36	10.258	3.852	29860	9	10.098	4.181	29932	15	6.974	5.592
29645	9	12.706	1.318	29717	9	10.082	2.084	29789	14	10.348	3.668	29861	13	10.476	4.366	29933*	34	7.502	5.300
29646	10	12.774	1.332	29718	20	10.134	2.326	29790	16	10.975	3.717	29862	13	10.546	4.694	29934	33	7.758	5.201
29647	30	12.900	1.132	29719	20	10.218	2.846	29791	19	11.494	3.188	29863	13	10.884	4.670	29935	13	8.594	5.417
29648	16	13.534	1.274	29720	8	11.114	2.186	29792	8	12.154	3.400	29864	20	11.064	4.556	29936	12	8.712	5.376
29649	17	13.772	1.595	29721	24	11.224	2.342	29793	17	12.375	3.192	29865*	33	11.380	4.135	29937	14	9.434	5.204
29650	18	14.276	1.156	29722	11	11.764	2.010	29794	12	12.438	3.180	29866	13	11.514	4.978	29938	20	9.965	5.776
29651	8	14.406	1.280	29723	16	11.770	2.810	29795	29	12.824	3.608	29867	8	11.604	4.771	29939	9	10.074	5.048
29652	8	14.677	1.271	29724	10	12.278	2.560	29796	13	14.340	3.408	29868	8	11.644	4.126	29940	14	10.512	5.343
29653*	45	14.983	1.924	29725	8	12.449	2.452	29797	13	14.836	3.860	29869	23	12.022	4.486	29941	21	11.116	5.912
29654	8	15.327	1.636	29726	15	12.720	2.957	29798	16	15.136	3.710	29870	18	12.140	4.202	29942	16	11.162	5.964
29655	12	15.660	1.158	29727	12	12.985	2.770	29799	9	15.494	3.324	29871	18	12.623	4.785	29943	8	11.224	5.924
29656	19	15.865	1.860	29728	9	13.036	2.390	29800	19	15.635	3.827	29872	25	12.800	4.012	29944	16	11.584	5.662
29657	34	16.192	1.206	29729	12	13.502	2.046	29801	15	16.404	3.976	29873*	38	12.900	4.167	2994			

29954	9	16.605	5.932	30026	21	18.149	6.272	30098	30	18.284	7.060	30170	20	17.171	8.245	30242	18	18.512	9.273
29955	9	17.226	5.495	30027	8	18.308	6.974	30099	21	18.841	7.136	30171	8	17.195	8.028	30243	18	19.663	9.486
29956	20	17.692	5.950	30028	18	18.777	6.742	30100	21	18.910	7.076	30172	13	17.470	8.632	30244	8	19.955	9.126
29957	19	18.204	5.474	30029	18	19.037	6.056	30101	10	19.652	7.121	30173	8	18.078	8.286	30245	26	20.094	9.254
29958	10	18.226	5.252	30030	21	19.388	6.787	30102	8	19.828	7.161	30174	19	19.219	8.541	30246	16	20.132	9.312
29959	25	18.624	5.764	30031	25	19.724	6.152	30103	13	19.832	7.866	30175	19	19.301	8.836	30247*	29	20.516	9.762
29960	8	18.632	5.347	30032	16	19.725	6.483	30104	8	20.084	7.273	30176	16	19.363	8.844	30248	27	21.004	9.049
29961	10	18.654	5.484	30033	8	19.980	6.558	30105*	40	20.328	7.856	30177	20	19.428	8.701	30249	18	21.020	9.010
29962	17	19.068	5.410	30034	14	20.091	6.276	30106	8	21.484	7.319	30178	9	19.454	8.301	30250*	46	21.056	9.250
29963	8	19.522	5.076	30035	13	20.146	6.267	30107	9	21.880	7.799	30179	12	19.505	8.888	30251	29	21.236	9.690
29964	23	19.968	5.402	30036	20	20.284	6.048	30108	30	22.100	7.008	30180	15	19.640	8.745	30252	10	21.280	9.593
29965	10	20.228	5.098	30037	19	20.337	6.713	30109	8	23.202	7.534	30181	8	19.820	8.890	30253	25	21.594	9.737
29966	13	20.254	5.157	30038	12	21.196	6.704	30110	9	23.482	7.725	30182	8	20.382	8.795	30254	30	21.930	9.146
29967	17	20.552	5.841	30039	13	21.210	6.557	30111	8	23.764	7.243	30183	17	20.706	8.301	30255	10	22.523	9.764
29968	32	20.592	5.400	30040	8	21.274	6.856	30112	31	23.888	7.852	30184	11	21.728	8.844	30256*	24	22.622	9.700
29969	13	20.726	5.908	30041	8	21.646	6.104	30113	8	24.143	7.728	30185	14	22.010	8.936	30257	22	22.923	9.314
29970	28	20.734	5.628	30042	10	22.024	6.380	30114	8	24.534	7.451	30186	8	22.195	8.526	30258	8	22.978	9.386
29971	8	21.247	5.735	30043	8	22.536	6.861	30115	108	25.386	7.914	30187	8	22.390	8.174	30259	23	23.134	9.438
29972	24	21.450	5.026	30044	10	24.228	6.744	30116	16	25.528	7.236	30188	10	22.586	8.173	30260*	46	23.190	9.420
29973	9	21.785	5.266	30045	8	24.728	6.784	30117	26	25.618	7.158	30189	34	22.752	8.147	30261	16	23.234	9.676
29974	32	21.908	5.088	30046	48	24.813	6.423	30118	44	25.654	7.270	30190	15	23.360	8.810	30262	8	23.780	9.220
29975	11	22.212	5.966	30047	15	25.386	6.842	30119	21	25.703	7.594	30191	9	23.712	8.135	30263*	78	24.425	9.382
29976	9	22.356	5.181	30048	12	25.797	6.716	30120	12	25.811	7.154	30192*	37	24.371	8.301	30264	10	24.700	9.636
29977	11	23.440	5.014	30049	9	0.278	7.952	30121	10	25.941	7.106	30193	15	24.594	8.215	30265	12	0.378	10.056
29978	23	23.604	5.052	30050	25	0.728	7.612	30122	11	0.175	8.016	30194	13	24.954	8.550	30266	10	0.534	10.000
29979	16	23.821	5.490	30051	8	0.738	7.318	30123	8	0.327	8.063	30195	14	25.082	8.912	30267	15	0.898	10.826
29980	17	24.316	5.470	30052	10	0.960	7.157	30124	27	0.377	8.066	30196	10	25.139	8.158	30268	29	0.980	10.216
29981	10	24.555	5.398	30053	8	1.271	7.546	30125	9	1.797	8.434	30197	9	25.305	8.457	30269	30	0.999	10.905
29982	15	25.685	5.364	30054	20	1.407	7.898	30126	9	2.090	8.028	30198	13	25.878	8.724	30270*	23	1.700	10.810
29983	14	25.999	5.168	30055	10	2.094	7.940	30127	8	2.236	8.368	30199	8	0.032	9.796	30271	8	2.046	10.544
29984	10	0.007	6.347	30056	24	2.248	7.368	30128*	33	2.823	8.554	30200	8	0.096	9.634	30272	8	2.309	10.850
29985	10	1.044	6.240	30057	12	2.388	7.951	30129	27	2.964	8.016	30201	9	1.584	9.292	30273	21	2.441	10.030
29986	12	1.650	6.834	30058	22	2.766	7.188	30130	9	3.102	8.645	30202	19	1.600	9.550	30274	32	3.232	10.714
29987	15	2.092	6.733	30059	13	2.814	7.054	30131	8	3.572	8.337	30203	27	1.830	9.469	30275	11	3.396	10.778
29988	8	2.236	6.398	30060	11	3.445	7.647	30132	20	3.704	8.679	30204	16	2.175	9.414	30276	19	4.896	10.474
29989	17	2.241	6.994	30061	8	3.869	7.303	30133	24	3.803	8.006	30205	20	2.656	9.793	30277	19	5.330	10.346
29990	8	2.720	6.284	30062	9	4.130	7.273	30134	21	3.836	8.550	30206	10	2.926	9.668	30278	20	7.612	10.988
29991	14	3.236	6.524	30063	8	4.231	7.507	30135	26	3.966	8.316	30207	9	3.336	9.739	30279	11	8.164	10.382
29992*	36	3.457	6.653	30064	30	4.502	7.850	30136	19	4.018	8.926	30208	16	3.402	9.229	30280	27	8.272	10.588
29993	8	3.503	6.511	30065	20	4.570	7.864	30137	10	4.778	8.924	30209	28	4.952	9.974	30281	8	10.014	10.492
29994	11	4.532	6.088	30066	13	5.238	7.881	30138	42	5.358	8.252	30210	17	5.262	9.726	30282	8	10.128	10.984
29995	14	5.336	6.390	30067	18	5.469	7.184	30139	11	5.600	8.744	30211	10	5.449	9.288	30283	9	11.100	10.777
29996	8	5.606	6.297	30068	12	6.468	7.398	30140	20	5.787	8.870	30212	14	5.562	9.734	30284*	39	11.188	10.128
29997	8	7.526	6.618	30069	8	6.699	7.314	30141	8	5.810	8.014	30213	10	5.739	9.758	30285	23	11.234	10.619
29998	31	7.557	6.546	30070*	44	6.714	7.699	30142	13	6.450	8.322	30214	14	6.208	9.391	30286	11	11.516	10.879
29999	9	7.770	6.380	30071	27	6.848	7.599	30143	10	6.974	8.388	30215	23	6.304	9.204	30287	9	11.688	10.285
30000	11	8.174	6.586	30072	20	7.020	7.985	30144	8	7.273	8.598	30216	24	6.722	9.218	30288	20	11.766	10.098
30001	27	8.756	6.032	30073	18	7.596	7.322	30145	19	7.340	8.486	30217	14	6.796	9.438	30289	11	12.726	10.828
30002	24	8.988	6.320	30074	20	7.759	7.010	30146	9	8.144	8.888	30218	20	6.830	9.950	30290	8	13.781	10.374
30003	8	9.741	6.918	30075	8	8.400	7.258	30147*	37	8.188	8.342	30219	24	7.260	9.112	30291	11	13.806	10.545
30004	24	10.352	6.324	30076	20	9.576	7.154	30148	8	8.442	8.940	30220	12	7.542	9.189	30292	23	14.052	10.312
30005	8	10.430	6.701	30077	9	10.056	7.012	30149	8	8.886	8.339	30221	20	8.276	9.743	30293	8	15.416	10.932
30006	8	11.222	6.385	30078	11	10.136	7.106	30150	13	9.378	8.494	30222	12	8.850	9.838	30294*	32	15.576	10.482
30007	22	12.178	6.286	30079	19	10.416	7.390	30151	16	10.125	8.564	30223	9	9.063	9.464	30295	8	15.614	10.776
30008	10	12.385	6.882	30080	20	10.476	7.327	30152	24	10.209	8.806	30224	9	9.926	9.196	30296	8	15.864	10.643
30009	8	12.480	6.836	30081	12	11.176	7.003	30153*	30	10.558	8.384	30225*	53	10.112	9.862	30297	10	16.323	10.496
30010	13	12.488	6.316	30082	9	11.409	7.245	30154	21	10.645	8.902	30226	8	10.247	9.453	30298	11	16.474	10.537
30011	14	12.946	6.977	30083	10	11.820	7.540	30155	12	10.814	8.938	30227	24	10.396	9.736	30299	17	17.287	10.270
30012	11	12.990	6.156	30084	10	11.828	7.716	30156	8	11.024	8.334	30228	8	10.422	9.517	30300	9	17.323	10.262
30013	9	13.598	6.102	30085	11	12.951	7.530	30157	19	11.353	8.593	30229	8	11.087	9.301	30301*	35	17.420	10.077
30014	17	14.122	6.497	30086	13	13.256	7.922	30158	11	12.196	8.948	30230*	34	11.649	9.158	30302	14	17.434	10.442
30015	8	14.282	6.244	30087	13	13.514	7.076	30159	8	12.530	8.856	30231	8	11.763	9.244	30303	12	17.769	10.048
30016	17	14.328	6.418	30088	17	14.052	7.892	30160	28	13.216	8.784	30232	10	13.266	9.817	30304	13	17.924	10.527
30017	16	14.536	6.272	30089	9	14.478	7.562	30161	15	13.530	8.851								

30314*	40	20.611	10.066	30386	13	18.460	11.091	30458	11	23.614	12.416	30530	8	24.700	13.283	30602	11	25.034	14.737
30315	8	21.045	10.229	30387	8	19.336	11.123	30459	16	23.637	12.279	30531	20	24.740	13.682	30603	10	25.069	14.236
30316*	51	21.186	10.637	30388	14	19.784	11.030	30460	25	24.018	12.871	30532	20	25.238	13.812	30604	9	25.092	14.507
30317	19	21.808	10.744	30389	16	20.764	11.403	30461	11	24.150	12.924	30533	18	25.350	13.697	30605	11	25.124	14.037
30318	12	22.171	10.237	30390	24	21.254	11.172	30462	10	24.832	12.221	30534	22	25.440	13.956	30606	25	25.152	14.274
30319	20	22.243	10.756	30391	8	21.497	11.982	30463	20	0.686	13.638	30535	9	25.447	13.036	30607	12	25.862	14.891
30320	28	22.586	10.356	30392	8	22.016	11.400	30464	21	1.176	13.884	30536	22	25.702	13.191	30608	26	0.224	15.026
30321	8	22.911	10.182	30393	13	22.082	11.522	30465	32	2.096	13.894	30537	16	0.947	14.915	30609	8	1.198	15.045
30322	12	23.285	10.366	30394	9	22.206	11.130	30466	14	2.607	13.398	30538	10	1.114	14.620	30610	8	2.118	15.596
30323	10	24.370	10.163	30395	16	22.614	11.660	30467	20	2.669	13.478	30539	12	2.010	14.589	30611	8	2.272	15.608
30324	18	24.404	10.246	30396	8	22.950	11.494	30468	10	3.412	13.222	30540	22	2.362	14.337	30612	28	3.250	15.983
30325	22	24.434	10.766	30397	41	23.064	11.930	30469	14	6.094	13.837	30541	8	2.407	14.164	30613	8	3.736	15.138
30326	9	24.590	10.086	30398	8	24.010	11.724	30470	8	6.276	13.054	30542	12	2.453	14.419	30614	26	3.913	15.575
30327	11	24.710	10.774	30399	13	24.016	11.027	30471	8	6.764	13.033	30543	10	3.160	14.688	30615	15	3.961	15.993
30328	19	25.154	10.470	30400	10	24.167	11.634	30472	19	6.767	13.214	30544*	41	3.200	14.872	30616	23	4.684	15.592
30329	11	25.886	10.012	30401	24	25.267	11.260	30473	10	7.226	13.691	30545	20	3.464	14.856	30617	25	5.466	15.308
30330	12	25.984	10.628	30402	27	25.666	11.943	30474	30	7.475	13.722	30546	8	3.662	14.146	30618	42	5.767	15.936
30331	14	0.063	11.718	30403	25	25.853	11.417	30475	9	7.575	13.735	30547	10	4.356	14.624	30619	15	6.044	15.412
30332	12	1.184	11.060	30404	15	1.374	12.808	30476	8	7.663	13.952	30548	21	4.430	14.857	30620	16	6.258	15.100
30333	16	1.240	11.764	30405	15	1.385	12.480	30477	16	7.876	13.580	30549	8	5.061	14.858	30621	8	6.686	15.238
30334	14	1.248	11.546	30406	21	1.605	12.910	30478	18	8.344	13.484	30550	13	5.488	14.027	30622	14	7.665	15.890
30335	9	2.964	11.668	30407	21	2.953	12.842	30479	19	8.616	13.407	30551	26	6.044	14.186	30623	25	8.340	15.459
30336	23	3.398	11.870	30408	39	3.826	12.287	30480	18	9.562	13.870	30552	26	6.910	14.828	30624	34	8.453	15.162
30337	40	3.610	11.122	30409	20	3.948	12.776	30481	25	10.730	13.993	30553	18	7.426	14.536	30625	32	8.852	15.980
30338	14	3.780	11.496	30410	8	4.018	12.488	30482	9	10.844	13.886	30554	12	8.148	14.064	30626	26	9.256	15.120
30339	11	3.830	11.668	30411	13	4.176	12.438	30483	19	11.790	13.658	30555	8	8.170	14.840	30627	31	9.699	15.012
30340	8	4.062	11.180	30412	9	4.971	12.920	30484	18	12.308	13.346	30556	8	8.271	14.225	30628	24	9.770	15.240
30341*	26	4.445	11.808	30413	10	5.600	12.640	30485	16	12.362	13.168	30557	12	8.909	14.388	30629	8	10.012	15.756
30342	9	4.923	11.676	30414	13	5.872	12.053	30486	15	12.506	13.203	30558	19	9.034	14.966	30630	14	10.613	15.058
30343	9	5.438	11.556	30415	29	6.626	12.507	30487	9	12.677	13.160	30559	18	9.792	14.318	30631	8	12.132	15.698
30344	9	5.676	11.084	30416	9	6.724	12.252	30488	8	14.503	13.222	30560	23	10.516	14.028	30632	19	12.619	15.902
30345	9	5.918	11.525	30417	12	7.964	12.564	30489	22	14.700	13.428	30561	10	10.967	14.199	30633	8	12.806	15.522
30346	22	6.032	11.502	30418	9	8.868	12.694	30490	9	14.741	13.168	30562	20	11.138	14.294	30634	17	12.844	15.914
30347	13	6.747	11.774	30419	9	8.869	12.950	30491	31	15.158	13.716	30563	9	11.323	14.114	30635	12	14.024	15.892
30348*	32	6.796	11.418	30420	11	8.914	12.706	30492	11	15.230	13.332	30564	16	11.516	14.434	30636	10	14.186	15.154
30349*	37	7.248	11.464	30421	8	9.562	12.585	30493	12	15.634	13.456	30565	15	11.674	14.448	30637	29	14.524	15.647
30350	18	7.256	11.541	30422*	49	10.386	12.130	30494*	32	16.026	13.182	30566	12	11.766	14.715	30638	12	14.566	15.317
30351	18	7.266	11.472	30423	8	10.606	12.752	30495	14	16.038	13.116	30567	9	12.152	14.204	30639	13	14.758	15.502
30352	8	7.594	11.142	30424	8	10.895	12.296	30496	25	16.526	13.188	30568	8	12.694	14.166	30640	34	14.930	15.302
30353*	39	8.766	11.542	30425	14	12.128	12.064	30497*	94	16.693	13.092	30569	8	13.134	14.540	30641	9	15.374	15.510
30354	10	9.525	11.906	30426	8	12.163	12.978	30498	8	16.857	13.642	30570	9	13.260	14.688	30642	13	15.439	15.792
30355	18	9.543	11.510	30427	26	12.524	12.704	30499	10	18.472	13.386	30571	8	14.678	14.780	30643	9	15.554	15.256
30356	21	9.932	11.406	30428	24	12.538	12.227	30500	8	18.766	13.180	30572	19	15.234	14.253	30644	9	15.840	15.640
30357*	34	9.964	11.538	30429	24	12.651	12.582	30501	17	19.083	13.200	30573	21	15.437	14.198	30645	8	15.953	15.210
30358*	27	9.984	11.870	30430	10	13.121	12.556	30502	30	19.195	13.417	30574	15	15.555	14.823	30646	8	16.132	15.048
30359	15	10.318	11.020	30431	8	13.192	12.575	30503	19	19.590	13.524	30575	9	15.958	14.407	30647	12	16.161	15.610
30360	18	10.694	11.045	30432*	36	13.394	12.926	30504	8	19.958	13.552	30576	11	16.541	14.388	30648	13	16.252	15.672
30361	14	11.380	11.014	30433	18	14.082	12.026	30505	22	20.089	13.038	30577	23	16.730	14.037	30649	12	16.495	15.140
30362	8	11.569	11.076	30434	15	14.422	12.770	30506	18	20.214	13.550	30578	18	16.794	14.528	30650	12	16.612	15.588
30363*	25	11.650	11.551	30435	15	14.670	12.214	30507	10	20.456	13.492	30579	11	16.824	14.150	30651	8	16.694	15.402
30364	11	11.826	11.960	30436	8	15.251	12.924	30508	18	20.523	13.526	30580	8	17.194	14.257	30652	21	17.092	15.352
30365	9	12.357	11.526	30437	29	15.426	12.815	30509	8	20.582	13.748	30581	19	18.113	14.254	30653	19	17.562	15.792
30366	10	12.462	11.444	30438	14	15.462	12.983	30510	9	20.586	13.538	30582	8	18.336	14.650	30654	25	17.836	15.122
30367	10	12.837	11.896	30439	17	16.246	12.586	30511	17	20.754	13.505	30583	41	18.395	14.826	30655	12	17.970	15.682
30368	25	12.912	11.696	30440	17	16.334	12.226	30512	11	20.818	13.006	30584	8	18.896	14.775	30656	8	18.458	15.681
30369	19	13.440	11.876	30441	17	16.542	12.488	30513	33	21.174	13.517	30585	19	18.995	14.518	30657	34	18.654	15.102
30370	21	13.578	11.656	30442	8	16.592	12.833	30514	21	21.894	13.814	30586	22	19.074	14.363	30658	24	18.820	15.251
30371	13	13.879	11.730	30443	17	16.898	12.888	30515	12	21.911	13.712	30587	13	20.219	14.321	30659	22	19.005	15.762
30372	8	14.162	11.105	30444	12	17.323	12.805	30516	11	21.932	13.825	30588*	82	20.412	14.846	30660	15	19.006	15.392
30373	17	14.554	11.844	30445	9	17.564	12.986	30517	24	22.810	13.840	30589	8	20.801	14.232	30661	8	19.039	15.572
30374	17	14.953	11.151	30446	13	18.272	12.640	30518	19	22.957	13.292	30590	33	20.922	14.145	30662	27	19.082	15.631
30375*	36	15.310	11.053	30447*	33	18.508	12.644	30519	20	23.043	13.687	30591	8	21.568	14.828	30663	8	20.048	15.620
30376	22	15																	

30674	8	22.862	15.426	30746	24	25.239	16.870	30818	12	25.316	17.374	30890	8	20.788	18.838	30962	12	16.125	19.726
30675	18	22.955	15.923	30747	9	0.339	17.436	30819	19	25.414	17.562	30891	8	20.790	18.093	30963	21	16.224	19.656
30676	30	23.270	15.218	30748	9	0.472	17.892	30820	8	25.466	17.652	30892	12	21.074	18.036	30964	9	16.516	19.703
30677	11	24.378	15.738	30749	26	0.674	17.674	30821	11	25.871	17.553	30893	37	21.246	18.580	30965	14	16.524	19.070
30678	19	24.742	15.551	30750	13	1.278	17.886	30822	38	25.982	17.726	30894	14	21.830	18.416	30966	10	16.541	19.610
30679	12	24.826	15.258	30751	25	1.485	17.528	30823	20	0.014	18.045	30895	8	21.934	18.898	30967	22	16.978	19.886
30680	42	24.849	15.253	30752	8	1.822	17.580	30824	10	0.766	18.626	30896	21	22.188	18.695	30968	18	16.988	19.406
30681	13	24.906	15.140	30753	8	1.900	17.475	30825	19	1.618	18.652	30897	32	22.304	18.114	30969	12	17.226	19.918
30682	14	25.197	15.552	30754	8	1.972	17.903	30826*	38	1.790	18.668	30898	25	22.415	18.140	30970	23	17.266	19.642
30683	8	25.450	15.284	30755	16	2.224	17.250	30827*	39	2.088	18.243	30899	12	22.688	18.773	30971	14	17.641	19.828
30684	8	25.684	15.576	30756	24	2.238	17.140	30828	38	2.306	18.997	30900	10	22.858	18.356	30972	14	18.252	19.751
30685	26	25.844	15.033	30757	32	2.248	17.036	30829	14	2.387	18.000	30901	8	23.037	18.510	30973	11	18.423	19.754
30686	17	25.864	15.578	30758	19	2.530	17.464	30830	20	2.460	18.571	30902	43	23.072	18.066	30974	9	18.920	19.216
30687	10	1.843	16.570	30759	12	2.854	17.806	30831	23	2.856	18.954	30903	8	23.572	18.858	30975	12	19.456	19.102
30688	13	2.018	16.262	30760	18	3.000	17.324	30832	26	4.314	18.362	30904	29	23.622	18.570	30976	10	19.516	19.530
30689	11	3.646	16.426	30761	13	3.556	17.826	30833	27	4.718	18.666	30905	10	24.052	18.462	30977	11	19.769	19.064
30690	13	5.550	16.580	30762	10	4.220	17.955	30834	14	4.823	18.544	30906	8	24.420	18.758	30978	13	19.962	19.650
30691	19	5.993	16.216	30763	14	4.254	17.416	30835	14	4.898	18.728	30907	13	24.656	18.272	30979	31	20.002	19.688
30692	10	6.335	16.106	30764	14	4.568	17.793	30836	14	4.952	18.298	30908	16	25.036	18.379	30980	8	20.075	19.792
30693	19	6.867	16.905	30765	15	5.676	17.384	30837	9	5.014	18.224	30909	8	25.097	18.262	30981	12	20.974	19.002
30694	19	6.926	16.021	30766	8	6.372	17.458	30838*	41	5.060	18.982	30910	19	25.184	18.931	30982	19	21.309	19.140
30695	11	7.022	16.731	30767	8	6.776	17.084	30839	8	5.462	18.714	30911	13	25.247	18.144	30983	14	21.675	19.954
30696	9	7.154	16.768	30768	17	7.714	17.465	30840	20	5.723	18.414	30912	8	25.544	18.727	30984	14	21.788	19.534
30697	8	7.300	16.438	30769	11	7.802	17.052	30841	18	5.967	18.386	30913	10	25.682	18.280	30985	18	21.826	19.149
30698	17	8.296	16.157	30770	8	8.617	17.156	30842	9	6.036	18.798	30914	9	25.694	18.194	30986	19	21.963	19.393
30699	12	8.487	16.357	30771	10	8.786	17.187	30843	11	6.124	18.466	30915	22	25.774	18.940	30987	14	22.008	19.326
30700	25	8.710	16.984	30772	8	8.976	17.784	30844*	75	6.895	18.936	30916	22	25.876	18.221	30988	14	23.770	19.172
30701	32	9.445	16.770	30773	18	9.163	17.464	30845	11	7.799	18.872	30917	19	0.100	19.918	30989	9	24.584	19.670
30702	29	9.955	16.162	30774	13	9.556	17.802	30846	11	8.099	18.082	30918	14	0.167	19.216	30990	27	25.040	19.744
30703	8	11.468	16.914	30775	18	9.564	17.716	30847	21	8.575	18.140	30919	19	0.613	19.235	30991	18	25.148	19.966
30704	41	12.354	16.676	30776	21	9.812	17.337	30848	31	8.816	18.592	30920	10	0.842	19.897	30992	13	25.252	19.037
30705	10	12.364	16.524	30777	23	9.842	17.920	30849	28	8.920	18.638	30921	8	1.488	19.764	30993	12	25.714	19.779
30706	14	12.808	16.568	30778	8	10.522	17.270	30850	12	9.110	18.580	30922	8	1.636	19.842	30994	20	0.148	20.475
30707	32	13.380	16.079	30779	9	11.058	17.650	30851	11	9.326	18.455	30923	12	2.175	19.196	30995	18	0.327	20.190
30708	14	13.442	16.132	30780	11	12.434	17.943	30852	11	9.395	18.912	30924	37	3.676	19.552	30996	13	0.776	20.927
30709	9	13.662	16.586	30781	12	13.140	17.950	30853	16	9.996	18.948	30925	25	4.014	19.603	30997	29	0.800	20.339
30710	8	14.015	16.778	30782	19	13.243	17.414	30854	8	10.013	18.768	30926	14	4.364	19.324	30998	8	0.878	20.650
30711	12	15.092	16.776	30783*	37	13.521	17.889	30855	23	10.337	18.209	30927	22	4.395	19.496	30999	31	1.204	20.992
30712	10	15.098	16.677	30784	8	13.724	17.386	30856	8	10.531	18.800	30928	37	4.722	19.818	31000	17	1.524	20.352
30713	8	15.577	16.237	30785	11	14.449	17.457	30857	9	10.794	18.342	30929	18	4.772	19.112	31001	10	1.755	20.294
30714	8	15.716	16.790	30786	8	14.862	17.525	30858	9	11.050	18.391	30930	23	4.958	19.432	31002	14	1.781	20.312
30715	8	16.074	16.328	30787	9	14.954	17.317	30859	8	11.155	18.201	30931*	30	5.338	19.073	31003	23	2.805	20.644
30716	20	16.671	16.639	30788	18	15.306	17.408	30860	10	11.328	18.108	30932	9	5.480	19.024	31004	13	3.166	20.493
30717*	46	17.099	16.096	30789	8	15.346	17.056	30861	20	11.336	18.764	30933	8	5.694	19.543	31005	29	3.398	20.136
30718	8	18.803	16.125	30790	9	16.428	17.692	30862	8	11.630	18.287	30934	20	5.792	19.709	31006	11	3.473	20.741
30719	16	18.871	16.952	30791	9	16.688	17.206	30863	25	11.896	18.108	30935*	49	5.876	19.902	31007	9	3.642	20.492
30720	19	19.078	16.316	30792	10	17.272	17.408	30864	21	12.230	18.849	30936	34	5.984	19.401	31008	16	4.096	20.377
30721	12	20.034	16.550	30793	32	17.516	17.300	30865	9	12.370	18.988	30937	12	6.122	19.522	31009	14	4.144	20.705
30722	9	20.408	16.634	30794	9	17.638	17.090	30866	10	12.530	18.335	30938	18	6.562	19.246	31010	19	4.196	20.154
30723	8	20.588	16.670	30795	8	17.838	17.736	30867	8	13.050	18.696	30939	11	7.399	19.756	31011	8	4.459	20.870
30724	10	20.862	16.371	30796	13	18.004	17.106	30868	10	13.787	18.220	30940*	35	8.117	19.530	31012	23	5.694	20.535
30725	9	20.986	16.666	30797	11	18.018	17.533	30869	15	13.844	18.072	30941	11	8.276	19.250	31013	29	5.942	20.028
30726	10	21.424	16.532	30798	23	18.318	17.780	30870*	31	13.857	18.259	30942	15	8.984	19.790	31014	18	6.563	20.623
30727	9	21.456	16.800	30799	8	18.728	17.288	30871	14	15.098	18.106	30943	11	9.203	19.267	31015	10	6.579	20.096
30728	9	21.521	16.222	30800	10	18.747	17.301	30872	9	15.247	18.468	30944*	41	9.790	19.975	31016	22	6.706	20.020
30729	29	21.564	16.540	30801	13	18.886	17.237	30873	8	15.446	18.990	30945	13	10.544	19.504	31017	8	7.636	20.272
30730	8	21.620	16.815	30802	29	19.183	17.279	30874	8	15.853	18.499	30946	21	10.824	19.844	31018	9	7.947	20.128
30731	10	21.660	16.268	30803	9	19.528	17.890	30875	10	16.538	18.372	30947	8	11.652	19.310	31019	8	7.962	20.984
30732	25	21.912	16.795	30804	10	19.742	17.590	30876	12	16.793	18.508	30948	19	11.877	19.697	31020	31	7.978	20.060
30733	19	21.974	16.281	30805	14	19.974	17.410	30877	8	17.650	18.374	30949*	32	12.346	19.918	31021	12	8.086	20.866
30734	27	22.275	16.356	30806	8	20.032	17.690	30878*	50	18.122	18.334	30950	15	12.396	19.152	31022	13	8.547	20.852
30735	15	23.244	16.850	30807	15	20.106	17.550	30879	9	18.192	18.697	30951	16	12.504	19.798	31023	8	8.755	20.447
30736	39	23.327	16.400	30808															

31034	9	13.664	20.348	31106	37	9.134	21.801	31178	8	3.787	22.066	31250	10	1.766	23.762	31322	15	18.584	23.068
31035	26	13.809	20.263	31107	8	9.236	21.306	31179	14	4.023	22.418	31251	8	1.801	23.250	31323	15	18.716	23.458
31036	25	13.858	20.706	31108	14	9.694	21.354	31180	14	4.108	22.152	31252	20	1.928	23.917	31324	13	19.274	23.212
31037	8	14.068	20.964	31109	18	9.920	21.926	31181	8	4.375	22.806	31253	19	2.523	23.084	31325	16	19.716	23.535
31038	24	14.186	20.318	31110	19	10.240	21.542	31182	22	4.406	22.002	31254	8	2.694	23.655	31326	17	19.719	23.797
31039	8	14.736	20.576	31111	9	10.506	21.577	31183	9	4.476	22.740	31255	10	2.774	23.739	31327	18	19.915	23.490
31040	8	14.810	20.822	31112	22	11.904	21.849	31184	9	4.966	22.622	31256	9	4.341	23.297	31328	23	20.064	23.886
31041	8	14.950	20.463	31113	12	11.924	21.097	31185	9	6.154	22.980	31257	22	4.824	23.198	31329	18	20.156	23.647
31042	12	15.256	20.964	31114	16	13.081	21.778	31186	16	6.365	22.044	31258	9	5.018	23.602	31330	18	20.164	23.524
31043	10	15.474	20.993	31115	13	13.188	21.645	31187	8	6.612	22.566	31259*	45	5.416	23.983	31331	8	20.288	23.830
31044	19	16.042	20.030	31116	8	13.311	21.396	31188	27	6.724	22.314	31260*	39	5.495	23.684	31332	12	20.345	23.493
31045	29	16.137	20.298	31117	9	13.805	21.748	31189	27	6.929	22.030	31261	19	5.542	23.734	31333	27	20.380	23.848
31046	11	16.352	20.792	31118	16	14.011	21.164	31190	15	7.078	22.146	31262	8	6.118	23.027	31334	9	20.894	23.528
31047	8	16.602	20.646	31119	18	14.322	21.956	31191	15	7.164	22.884	31263	31	6.350	23.700	31335	15	20.908	23.428
31048	29	17.452	20.790	31120	19	14.416	21.571	31192	14	7.456	22.497	31264	21	6.726	23.954	31336	10	20.936	23.687
31049	8	17.745	20.142	31121	22	14.520	21.173	31193	15	8.355	22.349	31265	8	6.806	23.824	31337	8	20.965	23.316
31050	8	17.986	20.013	31122	9	14.764	21.864	31194*	39	8.430	22.094	31266	8	6.832	23.694	31338	35	20.983	23.831
31051	29	18.127	20.286	31123	17	14.773	21.243	31195	19	8.550	22.657	31267	19	7.337	23.424	31339	28	21.161	23.765
31052	16	18.744	20.196	31124	9	14.807	21.880	31196	8	9.012	22.368	31268	16	7.373	23.962	31340	14	21.208	23.548
31053	11	18.790	20.007	31125	32	15.035	21.098	31197	19	9.930	22.970	31269	8	7.750	23.364	31341	10	21.226	23.532
31054	17	18.870	20.930	31126	15	15.196	21.310	31198	14	9.970	22.625	31270	18	7.912	23.486	31342	15	21.320	23.686
31055	9	19.016	20.948	31127	9	15.400	21.582	31199	24	10.095	22.193	31271	19	7.976	23.382	31343	23	21.350	23.294
31056	15	19.072	20.106	31128	8	15.803	21.601	31200	12	10.734	22.379	31272	12	8.065	23.224	31344	9	21.697	23.486
31057	8	19.234	20.289	31129	13	16.124	21.550	31201	26	10.744	22.861	31273	8	8.164	23.382	31345	16	22.280	23.180
31058	10	19.422	20.939	31130	8	16.556	21.208	31202	18	11.068	22.958	31274	12	8.555	23.260	31346	8	22.355	23.148
31059	22	19.585	20.730	31131	35	16.582	21.014	31203	25	12.216	22.036	31275*	44	9.076	23.430	31347	19	22.660	23.832
31060*	33	20.510	20.913	31132	27	16.618	21.514	31204	8	12.394	22.834	31276	21	9.821	23.595	31348	13	23.012	23.959
31061	31	20.646	20.586	31133	36	17.012	21.728	31205	12	13.155	22.517	31277*	46	9.843	23.586	31349	9	23.056	23.576
31062	27	21.276	20.603	31134	8	18.167	21.110	31206	14	13.994	22.670	31278	19	10.774	23.550	31350	41	23.606	23.332
31063	10	21.484	20.826	31135	8	18.400	21.131	31207	8	14.242	22.466	31279	20	10.806	23.996	31351	10	24.310	23.326
31064*	42	21.776	20.697	31136	12	18.527	21.344	31208	8	14.400	22.243	31280	18	11.023	23.962	31352	8	24.663	23.087
31065	9	23.174	20.607	31137	19	18.838	21.782	31209	14	15.244	22.450	31281	8	11.116	23.246	31353	15	24.832	23.944
31066	14	23.207	20.106	31138	13	18.916	21.332	31210	11	16.714	22.664	31282	8	11.203	23.078	31354	8	25.101	23.836
31067	18	23.496	20.814	31139	16	18.925	21.018	31211	18	17.629	22.949	31283	13	11.224	23.987	31355	30	25.433	23.426
31068	16	23.958	20.312	31140	9	19.193	21.420	31212	26	17.673	22.116	31284	9	11.293	23.857	31356	13	25.644	23.120
31069	8	24.696	20.342	31141	15	19.397	21.433	31213	16	17.714	22.204	31285	22	11.416	23.818	31357	24	25.785	23.719
31070	47	24.721	20.049	31142	32	19.583	21.760	31214	22	17.928	22.980	31286	9	11.600	23.102	31358	10	26.140	24.007
31071	14	25.178	20.028	31143	13	19.690	21.312	31215	8	18.285	22.332	31287	15	11.926	23.470	31359	12	26.338	24.362
31072	10	25.184	20.672	31144	11	19.806	21.286	31216	9	18.601	22.926	31288	14	12.130	23.900	31360*	52	26.600	24.474
31073	14	25.776	20.334	31145	11	20.066	21.801	31217	9	19.106	22.939	31289	16	12.372	23.550	31361	9	27.127	24.250
31074	13	25.895	20.803	31146	13	20.468	21.548	31218	20	19.282	22.257	31290	21	12.594	23.113	31362	8	27.528	24.270
31075	10	0.222	21.977	31147	8	20.576	21.413	31219	10	19.315	22.946	31291	15	12.756	23.181	31363	13	28.880	24.587
31076	12	0.586	21.632	31148	11	20.763	21.740	31220	9	19.382	22.007	31292	21	12.796	23.382	31364*	47	3.066	24.478
31077	12	0.636	21.756	31149	18	20.901	21.033	31221	12	19.544	22.012	31293	15	12.806	23.764	31365	20	3.076	24.182
31078	17	0.665	21.888	31150	8	21.162	21.449	31222	15	19.726	22.802	31294	18	13.366	23.727	31366	9	3.276	24.913
31079	8	0.692	21.412	31151	18	21.436	21.883	31223	8	20.048	22.337	31295	21	13.600	23.668	31367	19	3.661	24.557
31080	14	1.883	21.793	31152	20	21.466	21.320	31224	19	20.614	22.942	31296	16	13.736	23.515	31368	12	4.402	24.698
31081	26	1.944	21.738	31153	8	21.736	21.832	31225	10	20.878	22.834	31297	10	13.772	23.489	31369	9	4.628	24.139
31082	9	3.208	21.456	31154	10	21.748	21.864	31226	26	20.878	22.294	31298	17	14.032	23.782	31370	8	4.847	24.046
31083	10	3.246	21.494	31155	11	21.891	21.075	31227	9	21.042	22.622	31299	8	14.046	23.382	31371	24	4.866	24.532
31084	20	3.514	21.537	31156	12	21.918	21.206	31228	19	21.106	22.820	31300	8	14.085	23.384	31372	17	4.953	24.596
31085	18	3.716	21.392	31157*	74	22.074	21.832	31229	10	21.311	22.533	31301	14	14.628	23.940	31373	29	5.904	24.448
31086	22	3.790	21.454	31158	23	22.445	21.476	31230	10	21.362	22.146	31302	28	15.024	23.066	31374	24	6.046	24.703
31087	8	3.872	21.504	31159	14	23.304	21.818	31231	12	21.423	22.854	31303	26	15.560	23.856	31375	8	6.194	24.819
31088	17	3.975	21.406	31160	21	23.473	21.738	31232	24	21.740	22.016	31304	18	15.666	23.272	31376	8	6.213	24.882
31089	9	4.178	21.090	31161	15	23.493	21.632	31233	9	21.913	22.758	31305	12	15.702	23.142	31377	10	6.486	24.775
31090	15	4.254	21.420	31162	19	23.574	21.588	31234	12	21.982	22.144	31306*	53	16.056	23.307	31378	24	7.254	24.836
31091	10	4.664	21.453	31163	8	23.705	21.630	31235	10	22.032	22.988	31307	18	16.350	23.878	31379	13	7.303	24.318
31092	9	5.488	21.479	31164	24	24.024	21.995	31236*	32	22.408	22.660	31308	18	16.370	23.774	31380	13	7.868	24.651
31093	14	5.826	21.832	31165	33	24.202	21.540	31237	8	22.748	22.056	31309	17	16.716	23.693	31381	11	7.915	24.509
31094	25	6.223	21.998	31166	8	24.266	21.306	31238*	62	22.793	22.733	31310	11	16.862	23.655	31382	19	8.098	24.265
31095	10	6.252	21.959	31167	10	24.548	21.414	31239*	59	22.960	22.412	31311	31	17.075	23.443	31383	25	8.432	24.008
31096																			

31394	13	10.706	24.153	31466	29	22.372	24.344	31538	35	17.378	25.659	31619	32	10.739	0.692	31691	10	7.601	2.610
31395	9	10.804	24.956	31467	8	22.564	24.340	31539	17	17.566	25.491	31620	47	11.631	0.862	31692	10	7.610	2.817
31396	9	11.216	24.594	31468	31	22.833	24.266	31540	22	17.604	25.323	31621	11	11.690	0.277	31693	12	7.640	2.418
31397	15	11.402	24.362	31469	8	22.863	24.452	31541	32	18.144	25.690	31622	12	12.005	0.971	31694	10	8.048	2.079
31398	14	11.467	24.118	31470	14	22.910	24.432	31542	28	18.264	25.450	31623	26	12.325	0.061	31695	10	9.297	2.475
31399	8	11.476	24.832	31471	43	22.944	24.185	31543	30	18.872	25.500	31624	10	13.020	0.633	31696	11	9.509	2.263
31400	11	11.976	24.466	31472	36	23.125	24.586	31544	14	19.095	25.994	31625	10	13.228	0.668	31697	10	9.598	2.990
31401	13	12.559	24.380	31473	23	23.344	24.950	31545	8	19.397	25.972	31626	14	14.200	0.382	31698	10	10.603	2.272
31402	15	12.563	24.838	31474	22	23.507	24.291	31546	33	19.408	25.202	31627	13	14.532	0.564	31699	28	10.846	2.797
31403	14	12.676	24.406	31475	27	23.926	24.524	31547	14	19.544	25.404	31628	18	15.340	0.740	31700	14	11.576	2.122
31404	32	12.793	24.810	31476	17	24.376	24.621	31548	21	19.733	25.272	31629	10	17.124	0.534	31701	32	13.991	2.466
31405	23	13.640	24.996	31477	14	24.870	24.052	31549	23	19.756	25.829	31630	10	17.278	0.142	31702	13	14.562	2.722
31406	34	14.060	24.930	31478	12	25.478	24.942	31550	27	19.871	25.396	31631	57	18.946	0.491	31703	37	14.682	2.502
31407	19	14.584	24.746	31479	8	25.664	24.249	31551	33	20.094	25.251	31632	35	20.033	0.525	31704	13	15.225	2.792
31408	8	15.314	24.757	31480	10	25.892	24.458	31552	44	20.137	25.946	31633	12	20.958	0.166	31705	10	15.391	2.906
31409	23	15.672	24.610	31481	14	25.894	24.151	31553	40	20.164	25.122	31634	23	21.336	0.284	31706	29	16.286	2.850
31410	14	15.857	24.454	31482	8	1.116	25.687	31554	11	20.710	25.106	31635	10	21.465	0.401	31707	11	17.046	2.869
31411	11	16.137	24.965	31483	10	1.127	25.886	31555	25	20.848	25.642	31636	15	23.600	0.018	31708	15	20.069	2.288
31412	24	16.274	24.490	31484	19	1.309	25.159	31556	37	20.872	25.574	31637	20	23.614	0.718	31709	30	20.202	2.930
31413	8	16.489	24.335	31485	8	1.382	25.905	31557	13	21.135	25.869	31638	10	24.928	0.198	31710	15	20.414	2.756
31414	59	16.817	24.240	31486	31	2.138	25.321	31558	8	21.259	25.778	31639	18	0.182	1.116	31711	12	21.152	2.288
31415	9	16.964	24.468	31487	8	2.616	25.568	31559	9	21.305	25.118	31640	33	0.603	1.916	31712	26	24.683	2.966
31416	20	17.004	24.688	31488	8	2.616	25.242	31560	22	21.588	25.563	31641	12	1.398	1.809	31713	45	25.560	2.458
31417	8	17.518	24.328	31489	10	2.932	25.894	31561	9	21.746	25.303	31642	19	1.550	1.592	31714	10	0.068	3.442
31418	8	17.668	24.458	31490	12	3.109	25.556	31562	8	22.468	25.572	31643	18	1.674	1.062	31715	21	0.300	3.628
31419	26	18.154	24.736	31491	17	3.271	25.768	31563	26	23.566	25.380	31644	10	2.635	1.424	31716	10	0.420	3.717
31420	15	18.302	24.935	31492	12	3.810	25.748	31564	12	24.694	25.012	31645	10	3.192	1.078	31717	14	0.508	3.800
31421	16	18.394	24.621	31493	8	3.832	25.772	31565	8	24.978	25.739	31646	15	4.135	1.522	31718	10	0.784	3.366
31422	12	18.694	24.833	31494	12	4.041	25.494	31566	15	25.032	25.837	31647	27	4.468	1.738	31719	24	1.053	3.998
31423	10	18.770	24.596	31495	15	4.264	25.078	31567	19	25.950	25.852	31648	10	4.786	1.802	31720	10	1.613	3.506
31424	40	18.838	24.766	31496	14	5.307	25.066					31649	11	5.264	1.706	31721	28	1.695	3.590
31425	20	18.960	24.234	31497	14	6.254	25.950					31650	10	5.270	1.029	31722	16	3.007	3.667
31426	35	19.374	24.184	31498	8	6.852	25.290					31651	27	5.648	1.359	31723	33	4.286	3.113
31427	8	19.502	24.912	31499	18	7.047	25.265					31652	11	6.664	1.772	31724	11	4.889	3.006
31428	19	19.522	24.530	31500	14	7.354	25.631					31653	25	7.583	1.092	31725	12	4.968	3.802
31429	19	19.542	24.394	31501	21	7.467	25.508					31654	12	8.822	1.461	31726	10	5.460	3.536
31430	15	19.680	24.816	31502	9	7.472	25.444					31655	14	8.846	1.480	31727	21	6.711	3.038
31431	8	19.844	24.170	31503	8	7.793	25.892					31656	22	8.940	1.872	31728	13	10.036	3.592
31432	50	19.938	24.760	31504	8	8.090	25.013					31657	26	11.300	1.100	31729	12	10.960	3.818
31433	14	20.266	24.426	31505	19	8.166	25.180					31658	10	11.348	1.541	31730	12	11.015	3.930
31434	30	20.409	24.301	31506	21	8.176	25.620					31659	11	11.556	1.618	31731	25	14.686	3.405
31435	17	20.416	24.266	31507	12	8.417	25.376					31660	32	14.530	1.823	31732	39	14.909	3.079
31436	35	20.656	24.464	31508	13	8.530	25.212					31661	60	15.435	1.414	31733	10	15.164	3.190
31437	13	20.684	24.152	31509	36	8.555	25.111					31662	11	15.444	1.960	31734	14	15.398	3.470
31438	21	20.695	24.424	31510	13	9.226	25.040					31663	44	15.567	1.372	31735	13	16.044	3.098
31439	10	20.796	24.827	31511	18	9.276	25.757					31664	11	16.338	1.926	31736	12	16.046	3.329
31440	20	20.824	24.131	31512	12	9.516	25.160					31665	10	17.050	1.288	31737	11	16.198	3.267
31441	13	20.848	24.640	31513	24	9.913	25.878					31666	32	17.472	1.988	31738	11	16.576	3.250
31442	8	20.890	24.740	31514	21	10.004	25.306					31667	10	17.628	1.126	31739	11	16.591	3.571
31443	32	20.930	24.366	31515	21	10.094	25.449					31668	16	18.252	1.263	31740	11	16.660	3.656
31444	23	20.954	24.650	31516	14	10.692	25.776					31669	10	18.716	1.622	31741	10	16.800	3.470
31445	32	21.063	24.232	31517	11	10.746	25.466					31670	10	19.926	1.724	31742	13	16.806	3.722
31446	11	21.076	24.306	31518	21	11.564	25.826					31671	10	20.150	1.292	31743	10	16.898	3.223
31447	16	21.179	24.404	31519	17	12.156	25.764					31672	10	20.346	1.595	31744	10	17.572	3.867
31448	12	21.256	24.350	31520	16	12.307	25.374					31673	10	20.935	1.729	31745	25	18.565	3.616
31449	32	21.298	24.622	31521	19	12.498	25.706					31674	12	21.091	1.266	31746	12	19.001	3.324
31450	24	21.326	24.060	31522	9	12.837	25.514					31675	21	22.419	1.582	31747	35	19.466	3.954
31451	11	21.328	24.673	31523	12	13.229	25.251					31676	10	23.126	1.950	31748	10	20.358	3.831
31452	13	21.384	24.042	31524	8	13.368	25.251					31677	13	24.043	1.746	31749	10	20.984	3.044
31453	22	21.394	24.666	31525	9	13.484	25.298					31678	28	25.600	1.932	31750	15	22.722	3.288
31454	18	21.398	24.568	31526	16	13.618	25.962					31679	10	25.608	1.663	31751	36	23.462	3.664
31455	9	21.470	24.738	31527	8	13.674	25.080					31680	12	2.176	2.598	31752	10	25.271	3.876
31456	19	21.537	24.063	31528	9	13.714	25.763					31681	29	2.330	2.545	31753	10	25.295	3.870
31457	8	21.554	24.680	31529	8	14.477	25.146					31682	17	2.346	2.792	31754	12	1.049	4.450
31458	28	21.574	24.455	31530	18	15.075	25.312					31683	10	2.495	2.676	31755	35	1.558	4.226
31459	11	21.599	24.907	31531	19	15.684	25.968					31684	10	5.971	2.870	31756	16	2.256	4.060
31460	26	21.659	24.870																

31763	24	5.434	4.810	31835*	38	6.689	6.370	31907	10	2.660	8.348	31979*	21	17.220	9.572	32051	11	0.735	11.824
31764	10	6.100	4.582	31836	25	7.283	6.610	31908	10	3.026	8.674	31980	11	17.529	9.444	32052	10	2.126	11.169
31765	26	6.730	4.108	31837	11	8.358	6.792	31909	10	3.203	8.279	31981	10	17.569	9.030	32053	10	2.134	11.865
31766	10	8.313	4.834	31838	17	8.690	6.390	31910*	120	3.434	8.031	31982	15	17.702	9.283	32054	17	3.384	11.378
31767	10	9.330	4.092	31839	14	8.940	6.280	31911	11	3.951	8.832	31983	10	18.402	9.817	32055	19	3.974	11.526
31768	11	10.031	4.223	31840	10	9.332	6.210	31912*	40	4.110	8.066	31984	10	18.570	9.734	32056	13	4.120	11.060
31769	10	10.208	4.077	31841	10	9.712	6.686	31913	17	6.126	8.366	31985	23	18.660	9.841	32057	15	5.780	11.060
31770	17	10.324	4.237	31842	10	10.152	6.728	31914	14	6.157	8.590	31986	10	19.116	9.224	32058	33	6.210	11.332
31771	12	11.236	4.240	31843*	32	13.770	6.446	31915	10	6.500	8.845	31987	12	20.168	9.120	32059	10	6.435	11.880
31772	10	13.147	4.374	31844	12	13.818	6.935	31916	30	8.442	8.880	31988	12	21.159	9.851	32060	32	7.282	11.934
31773	15	14.259	4.011	31845	14	13.980	6.150	31917	13	8.708	8.718	31989	10	21.865	9.276	32061*	39	8.148	11.696
31774	16	16.078	4.478	31846	10	16.440	6.185	31918	12	8.942	8.670	31990	10	22.202	9.474	32062	10	9.037	11.203
31775	10	17.220	4.122	31847	12	17.720	6.979	31919*	41	9.010	8.832	31991*	33	23.924	9.180	32063	33	9.470	11.240
31776	13	18.958	4.210	31848	12	18.708	6.360	31920	10	9.580	8.226	31992	10	24.558	9.553	32064	12	9.766	11.980
31777	15	19.178	4.470	31849	27	18.750	6.828	31921	12	9.602	8.888	31993	12	24.933	9.122	32065	10	10.884	11.951
31778	10	19.804	4.268	31850	19	19.112	6.148	31922	33	9.860	8.540	31994	35	24.969	9.471	32066	12	11.067	11.119
31779	19	20.338	4.429	31851	10	19.846	6.626	31923	15	11.184	8.185	31995	11	25.296	9.499	32067	15	11.681	11.208
31780	12	22.039	4.170	31852	31	20.278	6.580	31924	10	12.109	8.276	31996	13	25.519	9.562	32068	23	11.997	11.466
31781	22	22.090	4.808	31853	10	21.258	6.224	31925	21	12.610	8.082	31997	15	25.748	9.811	32069	32	12.508	11.200
31782	23	22.640	4.152	31854	10	21.260	6.418	31926	10	13.186	8.186	31998	19	25.933	9.370	32070	10	14.372	11.630
31783	12	23.030	4.556	31855*	38	21.612	6.020	31927	12	13.593	8.530	31999	21	0.350	10.926	32071	24	15.300	11.722
31784	19	1.615	5.200	31856	14	22.755	6.140	31928	10	14.154	8.565	32000	29	0.688	10.521	32072*	38	16.480	11.898
31785	12	1.840	5.634	31857	12	23.678	6.668	31929	25	14.786	8.865	32001	10	1.386	10.520	32073	12	17.630	11.403
31786	13	2.332	5.608	31858	15	23.917	6.348	31930	24	15.321	8.154	32002	10	2.466	10.298	32074*	33	17.986	11.816
31787	15	2.707	5.496	31859	11	25.077	6.310	31931	13	15.408	8.578	32003	12	2.502	10.378	32075	18	18.100	11.063
31788	13	4.015	5.274	31860	26	0.143	7.182	31932	10	16.036	8.028	32004	16	2.540	10.900	32076	10	18.737	11.542
31789	10	4.560	5.592	31861	26	1.945	7.996	31933	23	16.142	8.886	32005	10	2.817	10.901	32077	10	21.166	11.224
31790	12	4.670	5.508	31862	12	3.578	7.352	31934	22	16.780	8.999	32006	11	3.258	10.592	32078	10	23.942	11.939
31791	10	5.172	5.700	31863	28	3.666	7.270	31935*	36	16.872	8.131	32007	10	3.984	10.121	32079	10	24.632	11.931
31792	26	5.179	5.944	31864*	39	3.699	7.383	31936	13	16.957	8.284	32008	10	4.087	10.736	32080	12	25.218	11.408
31793	12	5.258	5.412	31865	19	3.758	7.706	31937	28	17.016	8.352	32009	21	4.743	10.451	32081	17	25.687	11.700
31794	11	5.560	5.971	31866	11	3.858	7.268	31938	11	17.340	8.575	32010*	35	4.941	10.380	32082	10	25.740	11.365
31795	21	6.353	5.431	31867	10	3.986	7.217	31939	12	17.734	8.003	32011	23	5.196	10.702	32083	37	25.899	11.818
31796	12	6.703	5.106	31868	14	4.054	7.435	31940	14	18.126	8.498	32012	17	5.610	10.100	32084	10	0.281	12.870
31797	10	7.292	5.994	31869	11	4.173	7.514	31941*	22	19.725	8.167	32013	17	5.686	10.404	32085	10	0.661	12.479
31798	31	7.698	5.453	31870*	25	5.236	7.946	31942	10	19.856	8.642	32014	11	5.891	10.810	32086	11	0.905	12.650
31799	23	7.779	5.724	31871	12	6.656	7.164	31943	31	19.893	8.253	32015	10	6.126	10.538	32087	35	1.190	12.087
31800	10	9.596	5.044	31872	10	6.694	7.752	31944	10	20.735	8.188	32016	10	6.150	10.339	32088	30	1.500	12.800
31801	12	9.715	5.482	31873	10	6.860	7.914	31945*	29	21.495	8.646	32017	11	6.290	10.670	32089	10	1.769	12.426
31802	10	9.932	5.681	31874	15	7.230	7.063	31946*	19	21.550	8.450	32018	10	6.334	10.750	32090	10	2.962	12.350
31803	10	10.100	5.983	31875	10	8.854	7.312	31947	29	0.010	9.321	32019	20	6.620	10.205	32091	29	3.795	12.054
31804	10	12.096	5.876	31876	11	9.911	7.260	31948	11	0.087	9.112	32020	10	6.732	10.094	32092	20	4.550	12.734
31805	12	13.450	5.649	31877*	32	10.020	7.818	31949	10	0.612	9.928	32021	10	6.939	10.482	32093*	34	4.580	12.078
31806	12	13.532	5.668	31878*	35	10.336	7.796	31950	18	0.712	9.866	32022	10	7.310	10.139	32094	10	4.940	12.320
31807	12	13.625	5.238	31879	14	10.572	7.950	31951	15	1.004	9.474	32023	12	7.970	10.312	32095	12	5.220	12.076
31808	13	14.084	5.962	31880*	32	11.487	7.861	31952	15	1.219	9.593	32024	11	8.262	10.228	32096	14	5.374	12.350
31809	23	14.356	5.828	31881	10	12.968	7.134	31953*	38	1.273	9.575	32025	20	8.750	10.070	32097	10	5.611	12.138
31810	12	14.406	5.650	31882	11	12.974	7.012	31954	12	1.322	9.830	32026	12	8.782	10.768	32098	11	5.862	12.825
31811	11	16.884	5.685	31883	29	13.330	7.230	31955	10	1.864	9.362	32027	11	9.395	10.097	32099	10	5.896	12.838
31812	10	17.000	5.191	31884*	46	13.646	7.600	31956*	58	2.502	9.518	32028	10	9.429	10.818	32100	10	7.001	12.560
31813	10	18.030	5.252	31885	10	15.159	7.308	31957	10	3.159	9.038	32029	14	9.739	10.679	32101	10	7.164	12.028
31814*	36	19.712	5.540	31886	10	17.828	7.054	31958	31	4.886	9.527	32030	16	9.780	10.340	32102	12	7.826	12.073
31815	11	20.892	5.782	31887	11	18.436	7.409	31959	10	5.176	9.693	32031	10	10.128	10.009	32103	11	9.220	12.412
31816	10	21.622	5.320	31888	14	18.790	7.136	31960	16	5.642	9.370	32032	11	10.976	10.586	32104	27	9.410	12.188
31817	16	21.736	5.710	31889	10	18.997	7.390	31961	10	6.496	9.183	32033	10	11.967	10.586	32105*	95	9.598	12.988
31818*	23	21.795	5.162	31890	10	19.022	7.227	31962*	41	6.998	9.040	32034	12	12.180	10.937	32106	17	9.872	12.560
31819*	44	22.371	5.596	31891	13	19.190	7.032	31963*	47	7.274	9.479	32035	12	13.165	10.068	32107	10	10.224	12.039
31820	12	22.436	5.368	31892	19	19.557	7.742	31964	11	7.377	9.536	32036	10	13.577	10.184	32108	10	10.965	12.108
31821	11	23.536	5.708	31893	32	20.470	7.220	31965	10	7.624	9.842	32037*	38	13.700	10.766	32109	15	11.295	12.847
31822	14	24.956	5.669	31894	13	21.415	7.552	31966*	27	7.730	9.690	32038	13	17.513	10.018	32110*	26	14.500	12.148
31823	10	25.780	5.470	31895	11	21.950	7.805	31967	10	8.619	9.446	32039	10	17.674	10.422	32111	16	15.441	12.724
31824	13	25.832	5.712	31896	10	22.120	7.213	31968*	30	8.861	9.495	32040	18	18.012	10.791	32112	14	15.672	12.611
31825	10	2.267	6.881	31897	18	22.506	7.224	31969	11	9.276	9.121	32041	11	18.570	10.976	32113	18	15.812	12.282

32123	10	22-130	12-232	32195	20	3-601	14-069	32267	10	23-612	15-480	32339	10	12-069	17-702	32411	10	21-164	18-698
32124	10	22-872	12-136	32196	10	4-488	14-288	32268	28	25-334	15-428	32340	10	12-830	17-114	32412	10	21-174	18-692
32125	10	23-774	12-618	32197	10	5-810	14-819	32269	24	0-121	16-970	32341	10	12-965	17-170	32413	13	22-632	18-999
32126	22	24-242	12-790	32198	12	6-216	14-661	32270	15	0-175	16-451	32342	26	13-150	17-560	32414	10	23-980	18-212
32127	26	24-492	12-417	32199	10	6-403	14-902	32271	29	0-475	16-524	32343	10	13-245	17-544	32415	10	24-116	18-960
32128	10	24-627	12-990	32200	32	6-632	14-249	32272	13	1-148	16-081	32344	10	13-436	17-308	32416	14	24-842	18-010
32129	26	25-318	12-338	32201	10	6-804	14-822	32273	34	1-530	16-550	32345	12	13-574	17-736	32417	22	24-899	18-037
32130	11	25-516	12-161	32202	10	7-342	14-458	32274	12	1-562	16-156	32346	26	13-814	17-680	32418	12	0-043	19-711
32131	18	0-052	13-994	32203	10	8-124	14-186	32275	12	1-876	16-342	32347	10	14-200	17-111	32419	14	0-075	19-323
32132	10	0-069	13-888	32204	10	8-192	14-358	32276	28	2-119	16-644	32348	41	14-746	17-915	32420	17	0-218	19-567
32133	15	0-401	13-064	32205	24	8-201	14-629	32277	15	2-800	16-940	32349	18	14-881	17-398	32421	13	0-261	19-500
32134	14	1-109	13-449	32206	10	8-336	14-594	32278	10	3-436	16-597	32350	10	15-430	17-198	32422	12	2-020	19-316
32135	15	1-199	13-844	32207	10	8-355	14-987	32279	18	3-450	16-988	32351	10	18-136	17-181	32423	26	3-300	19-867
32136	37	1-206	13-740	32208	37	9-258	14-290	32280	10	4-808	16-886	32352	11	18-752	17-496	32424	16	3-430	19-050
32137	15	1-378	13-470	32209	11	10-262	14-836	32281	27	5-096	16-016	32353	31	18-755	17-187	32425	13	3-500	19-156
32138	12	2-063	13-300	32210	30	11-480	14-166	32282	28	6-042	16-420	32354	38	19-675	17-670	32426	13	3-975	19-888
32139	28	2-132	13-143	32211	10	12-931	14-190	32283	10	6-580	16-118	32355	12	20-008	17-520	32427	18	4-018	19-050
32140	16	2-160	13-010	32212	15	13-446	14-120	32284	18	6-680	16-404	32356	34	20-644	17-477	32428	12	4-660	19-696
32141	10	2-293	13-065	32213	10	14-128	14-972	32285	14	7-430	16-320	32357	31	20-792	17-792	32429	10	4-748	19-874
32142	13	2-897	13-810	32214	13	14-884	14-177	32286	43	7-670	16-388	32358	38	21-226	17-568	32430	27	4-874	19-438
32143	12	3-398	13-932	32215	10	15-622	14-610	32287	13	8-140	16-491	32359	10	21-800	17-978	32431	21	5-547	19-532
32144	13	3-506	13-812	32216	27	16-294	14-648	32288	10	8-293	16-439	32360	19	22-239	17-716	32432	26	5-973	19-340
32145	10	3-596	13-150	32217	10	16-589	14-962	32289	15	8-529	16-375	32361	20	22-386	17-361	32433	31	6-338	19-560
32146	19	3-850	13-300	32218	26	17-835	14-767	32290	10	8-949	16-236	32362	14	23-410	17-352	32434	10	6-516	19-876
32147	12	4-430	13-450	32219	12	18-038	14-327	32291	10	9-093	16-418	32363	10	0-070	18-597	32435	19	6-672	19-015
32148	10	5-947	13-176	32220	21	19-528	14-284	32292	13	9-130	16-310	32364	19	0-430	18-866	32436	17	6-908	19-515
32149	14	7-400	13-400	32221	10	19-998	14-730	32293	10	9-550	16-106	32365	32	0-534	18-284	32437	14	7-102	19-235
32150	10	7-850	13-480	32222	10	20-230	14-719	32294	10	10-171	16-658	32366	29	0-646	18-308	32438	12	8-018	19-538
32151	10	8-050	13-104	32223	26	21-132	14-732	32295	10	10-746	16-090	32367	10	0-932	18-939	32439	12	8-054	19-177
32152	27	8-544	13-807	32224	11	22-039	14-374	32296	25	12-702	16-200	32368	41	1-300	18-220	32440	16	8-078	19-252
32153	10	9-247	13-912	32225	20	22-175	14-631	32297	10	13-250	16-880	32369	33	1-860	18-716	32441	10	8-837	19-286
32154	27	9-278	13-426	32226	12	23-028	14-274	32298	30	14-208	16-410	32370	10	2-291	18-602	32442	10	9-253	19-070
32155	10	10-027	13-532	32227	10	23-129	14-772	32299	17	14-660	16-766	32371	10	2-890	18-402	32443	16	9-898	19-532
32156	12	11-355	13-773	32228	11	24-112	14-250	32300	12	15-000	16-926	32372	12	3-274	18-500	32444	10	9-998	19-395
32157	16	11-440	13-416	32229	10	24-242	14-815	32301	29	15-583	16-184	32373	10	3-330	18-386	32445	10	10-884	19-068
32158	70	12-198	13-426	32230	10	24-922	14-100	32302	10	15-892	16-064	32374	10	3-480	18-264	32446	10	11-598	19-918
32159	29	13-608	13-220	32231	15	25-970	14-442	32303	10	16-389	16-770	32375	10	3-788	18-836	32447	10	12-832	19-242
32160	12	16-414	13-617	32232	16	0-244	15-426	32304	10	18-550	16-886	32376	10	3-916	18-389	32448	12	13-405	19-089
32161	12	17-271	13-406	32233	10	0-408	15-446	32305	10	19-170	16-348	32377	10	3-929	18-302	32449	19	14-418	19-776
32162	12	17-551	13-208	32234	29	1-452	15-371	32306	12	19-431	16-294	32378	10	4-112	18-330	32450	11	15-072	19-198
32163	29	17-898	13-930	32235	10	2-385	15-083	32307	10	22-582	16-778	32379	12	4-618	18-848	32451	15	15-647	19-708
32164	10	17-976	13-548	32236	10	2-570	15-870	32308	10	22-940	16-144	32380	11	5-076	18-923	32452	48	15-650	19-072
32165	29	18-634	13-770	32237	12	2-932	15-680	32309	31	23-212	16-636	32381	12	5-578	18-272	32453	10	15-946	19-163
32166	14	21-190	13-334	32238	37	3-029	15-380	32310	38	24-024	16-018	32382	10	5-766	18-692	32454	31	16-313	19-168
32167	12	21-596	13-580	32239	11	3-086	15-264	32311	10	24-864	16-633	32383	16	5-797	18-692	32455	10	16-406	19-476
32168	11	22-480	13-962	32240	10	3-385	15-674	32312	19	25-190	16-788	32384	10	5-846	18-089	32456	28	17-066	19-490
32169	14	22-678	13-171	32241	24	4-022	15-141	32313	12	25-999	16-804	32385	11	7-971	18-068	32457	14	17-592	19-199
32170	11	22-848	13-475	32242	13	4-052	15-683	32314	40	0-826	17-618	32386	12	8-682	18-702	32458	22	17-946	19-647
32171	12	23-150	13-908	32243	16	4-650	15-778	32315	12	1-454	17-002	32387	17	9-078	18-548	32459	12	18-104	19-800
32172	19	23-391	13-372	32244	30	5-085	15-720	32316	10	1-712	17-180	32388	10	9-348	18-846	32460	10	18-152	19-300
32173	10	24-320	13-216	32245	17	6-045	15-947	32317	19	2-420	17-808	32389	10	9-772	18-534	32461	12	18-470	19-568
32174	10	24-369	13-401	32246	24	6-332	15-260	32318	26	2-816	17-002	32390	11	10-264	18-508	32462	12	19-692	19-806
32175	10	24-764	13-609	32247	11	6-374	15-942	32319	27	3-261	17-392	32391	23	11-375	18-236	32463	10	19-834	19-591
32176	13	25-318	13-090	32248	23	6-850	15-258	32320	11	3-408	17-891	32392	11	12-238	18-014	32464	25	19-870	19-700
32177	34	25-370	13-428	32249	10	7-050	15-229	32321	10	3-536	17-491	32393	21	12-238	18-798	32465	15	20-216	19-520
32178	11	25-554	13-778	32250	22	8-385	15-690	32322	15	3-635	17-674	32394	23	13-464	18-160	32466	10	20-700	19-371
32179	28	25-662	13-790	32251	16	9-126	15-923	32323	35	4-204	17-833	32395	20	14-470	18-660	32467	10	20-781	19-222
32180	40	0-227	14-590	32252	11	10-262	15-108	32324	35	4-466	17-610	32396	10	14-554	18-864	32468	31	21-030	19-430
32181	10	0-324	14-962	32253	10	11-218	15-466	32325	31	4-852	17-160	32397	10	16-778	18-856	32469	15	21-050	19-831
32182	11	0-475	14-402	32254	14	11-425	15-164	32326	12	5-038	17-128	32398	17	18-525	18-844	32470	10	21-600	19-231
32183	22	0-970	14-000	32255	10	11-864	15-619	32327	10	6-014	17-960	32399	28	18-787	18-376	32471	29	21-656	19-824
32184	10	1-032	14-358	32256	30	12-586	15-976	32328	19	6-172	17-015	32400	11	19-226	18-915	32472	44	22-463	19

32483	13	3.442	20.150	32555	33	7.030	21.660	32627*	38	14.250	22.222	32699	32	16.525	23.889	32771	14	16.653	24.585
32484	10	3.465	20.796	32556	10	8.840	21.336	32628	10	15.143	22.372	32700	10	16.576	23.858	32772	10	16.792	24.151
32485	11	4.046	20.442	32557	10	9.860	21.702	32629	29	15.798	22.086	32701	25	17.051	23.970	32773	29	17.729	24.228
32486	11	4.174	20.910	32558	10	10.950	21.969	32630	10	15.821	22.636	32702	12	17.709	23.090	32774	12	17.898	24.575
32487	10	4.849	20.430	32559	10	11.026	21.427	32631	10	15.846	22.732	32703	17	18.100	23.200	32775	16	18.541	24.947
32488	29	5.024	20.494	32560*	33	12.805	21.208	32632	10	16.187	22.134	32704*	31	18.343	23.828	32776	10	18.546	24.926
32489	25	5.065	20.742	32561	10	13.925	21.012	32633	19	16.981	22.068	32705	12	18.344	23.876	32777	11	18.645	24.202
32490	10	6.246	20.618	32562	10	14.144	21.680	32634	10	17.243	22.242	32706	10	18.806	23.937	32778	17	18.958	24.134
32491	10	6.574	20.334	32563	10	14.866	21.672	32635	23	18.232	22.469	32707	10	19.248	23.517	32779	11	19.270	24.173
32492	14	6.588	20.061	32564	10	15.364	21.646	32636	10	18.500	22.904	32708	12	20.028	23.550	32780*	30	19.554	24.765
32493	12	6.705	20.936	32565	10	16.796	21.696	32637	11	18.700	22.291	32709	11	20.095	23.182	32781	30	19.980	24.130
32494	10	6.834	20.722	32566	10	17.170	21.627	32638	33	19.264	22.310	32710	10	20.144	23.071	32782	10	20.092	24.884
32495	10	7.116	20.989	32567	10	17.273	21.225	32639	22	19.430	22.600	32711	10	20.714	23.828	32783	10	20.100	24.559
32496	10	7.537	20.284	32568	13	17.294	21.036	32640	10	19.748	22.160	32712	12	20.842	23.150	32784	27	20.400	24.730
32497	10	7.712	20.051	32569	10	17.336	21.024	32641	10	19.828	22.270	32713	11	20.880	23.900	32785	9	21.186	24.842
32498	12	7.946	20.508	32570	13	17.788	21.568	32642	10	19.854	22.294	32714	10	21.078	23.460	32786	10	21.526	24.220
32499	22	8.059	20.496	32571*	25	18.555	21.075	32643	10	19.920	22.548	32715	12	21.440	23.399	32787	11	21.670	24.558
32500	10	8.356	20.175	32572	13	18.578	21.302	32644	10	20.156	22.572	32716	10	21.958	23.846	32788	13	21.794	24.060
32501	27	8.646	20.707	32573	17	18.986	21.590	32645	20	20.619	22.804	32717	10	22.928	23.905	32789*	29	22.007	24.219
32502	13	9.064	20.312	32574	10	19.032	21.348	32646	10	21.212	22.872	32718	14	24.410	23.550	32790	10	22.453	24.852
32503	12	9.262	20.022	32575	10	20.166	21.617	32647	10	21.670	22.222	32719	12	24.786	23.746	32791	13	22.511	24.616
32504*	45	10.344	20.506	32576	18	20.360	21.415	32648	10	22.085	22.955	32720	10	25.730	23.900	32792	11	22.534	24.548
32505	12	10.372	20.138	32577	10	20.692	21.428	32649	11	22.182	22.827	32721	17	0.390	24.376	32793	12	22.804	24.650
32506	12	10.428	20.540	32578	27	20.887	21.204	32650	13	22.397	22.180	32722	27	0.708	24.510	32794	12	22.936	24.578
32507	10	10.690	20.477	32579	12	21.519	21.158	32651	19	22.550	22.516	32723	29	1.168	24.424	32795	13	24.080	24.944
32508	12	11.718	20.503	32580	10	21.946	21.732	32652	10	22.960	22.082	32724	10	1.250	24.591	32796	12	24.721	24.132
32509	10	12.342	20.490	32581	17	22.067	21.968	32653	33	23.980	22.163	32725*	40	1.274	24.343	32797	10	25.425	24.250
32510	32	13.267	20.972	32582	15	22.258	21.162	32654	10	24.043	22.747	32726	10	1.342	24.112	32798	10	25.638	24.554
32511	17	14.515	20.934	32583	33	23.070	21.634	32655	15	25.089	22.596	32727	36	1.466	24.740	32799	29	0.006	25.049
32512	26	15.028	20.848	32584	12	24.319	21.952	32656	10	25.240	22.113	32728	19	1.844	24.439	32800	10	0.062	25.142
32513*	42	16.626	20.930	32585	10	24.974	21.700	32657	12	25.251	22.777	32729	27	2.266	24.664	32801	18	1.692	25.100
32514	27	17.178	20.674	32586	12	25.048	21.390	32658	10	25.326	22.055	32730	12	2.720	24.754	32802	24	1.920	25.525
32515	30	17.230	20.446	32587	10	25.080	21.687	32659	10	0.024	23.665	32731	12	3.162	24.068	32803	10	3.044	25.140
32516	10	17.317	20.219	32588	12	25.708	21.050	32660	10	0.346	23.164	32732	12	3.200	24.176	32804	13	3.396	25.957
32517	18	17.321	20.950	32589	10	25.725	21.576	32661	12	0.600	23.348	32733	19	4.229	24.254	32805	11	3.825	25.052
32518	10	17.374	20.890	32590	10	25.764	21.861	32662	17	0.990	23.994	32734	12	4.234	24.565	32806	10	3.997	25.117
32519	10	17.635	20.856	32591	11	25.904	21.728	32663	10	1.380	23.732	32735	10	4.540	24.174	32807	20	4.312	25.958
32520	10	17.954	20.198	32592	17	0.038	22.193	32664	11	1.703	23.088	32736	19	4.935	24.836	32808	10	4.620	25.074
32521	10	18.272	20.623	32593	10	0.046	22.042	32665	40	1.924	23.479	32737	10	5.251	24.184	32809	33	4.764	25.896
32522*	31	19.234	20.494	32594	10	0.280	22.317	32666	10	2.628	23.460	32738	10	5.344	24.100	32810	18	5.288	25.296
32523	10	19.734	20.582	32595	57	0.364	22.000	32667	34	3.754	23.543	32739	32	5.480	24.964	32811	12	5.608	25.560
32524	10	20.050	20.998	32596	31	0.717	22.828	32668	12	3.962	23.230	32740	12	5.936	24.006	32812	12	6.036	25.064
32525	15	20.402	20.350	32597	51	1.100	22.892	32669	29	4.112	23.828	32741*	36	6.194	24.702	32813	12	6.398	25.884
32526	11	20.508	20.239	32598*	46	1.259	22.570	32670	19	4.548	23.049	32742	11	6.481	24.874	32814	10	6.944	25.878
32527	10	21.294	20.692	32599	10	2.250	22.200	32671	22	4.635	23.688	32743	12	6.516	24.808	32815	11	7.018	25.310
32528	17	21.562	20.700	32600	17	2.320	22.132	32672	10	4.815	23.340	32744	10	6.920	24.841	32816	15	7.223	25.608
32529	26	21.970	20.949	32601	10	3.422	22.386	32673	33	5.376	23.683	32745	21	7.378	24.720	32817	13	8.139	25.860
32530	31	22.542	20.194	32602	11	4.484	22.720	32674	13	5.946	23.192	32746	10	7.630	24.348	32818	17	8.686	25.860
32531*	35	22.604	20.504	32603	30	4.758	22.064	32675	21	5.965	23.636	32747	10	8.301	24.464	32819	10	8.857	25.760
32532	13	22.689	20.566	32604	10	5.300	22.702	32676	9	5.976	23.470	32748	15	8.346	24.298	32820	13	9.829	25.946
32533	27	23.453	20.661	32605	24	5.558	22.566	32677	12	6.002	23.460	32749	11	8.434	24.840	32821	10	9.850	25.728
32534	10	24.557	20.790	32606	10	5.890	22.537	32678	10	7.106	23.868	32750	10	8.880	24.886	32822	10	11.232	25.692
32535	22	25.182	20.999	32607	15	5.990	22.469	32679	10	7.515	23.768	32751*	42	9.570	24.584	32823	10	11.624	25.622
32536	16	25.196	20.082	32608	12	6.798	22.168	32680	17	7.594	23.674	32752	29	10.014	24.420	32824	10	11.638	25.484
32537	13	25.313	20.608	32609	29	7.272	22.371	32681	10	8.036	23.729	32753	15	10.250	24.278	32825	29	11.686	25.199
32538	10	25.554	20.221	32610	10	7.292	22.054	32682	10	8.215	23.811	32754	12	10.295	24.510	32826	12	11.972	25.092
32539	10	25.649	20.226	32611	10	7.560	22.100	32683	10	8.800	23.828	32755	12	10.467	24.502	32827	12	12.145	25.226
32540	10	0.174	21.251	32612	10	7.708	22.980	32684	13	9.288	23.033	32756	10	10.474	24.280	32828	18	12.317	25.500
32541	11	0.201	21.380	32613*	44	7.760	22.280	32685	29	9.408	23.168	32757	10	10.942	24.150	32829	12	12.532	25.864
32542	18	0.734	21.642	32614	30	8.002	22.512	32686	33	10.060	23.780	32758	26	10.961	24.578	32830	10	12.838	25.222
32543	12	1.598	21.970	32615	10	8.035	22.178	32687	10	10.316	23.195	32759	10	11.474	24.017	32831	22	13.204	25.018
32544	22	1.766	21.886	32616	12	9.421	22.980	32688	10	10.488	23.925	32760	10	11.768	24.772	32832			

32843	10	17-236	25-860	32923	11	7-834	0-035	32995	11	9-070	1-715	33067	9	9-334	2-086	33139	21	23-112	3-072
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				32981	10	4-936	1-761	33053*	36	3-667	2-052	33125	8	12-515	3-882	33197	13	23-216	4-788
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33211	20	3.070	5.796	33283	10	8.513	6.193	33355*	41	14.736	7.900	33427	14	16.282	8.438	33499	17	20.244	9.564
33212	8	3.234	5.622	33284	9	10.182	6.066	33356	8	14.754	7.516	33428	18	16.532	8.901	33500	24	20.492	9.306
33213	10	3.498	5.928	33285	23	10.841	6.409	33357	10	14.864	7.766	33429	8	17.318	8.722	33501	16	21.048	9.499
33214	8	3.744	5.324	33286	8	11.548	6.706	33358	20	14.890	7.202	33430	8	17.524	8.506	33502	11	21.152	9.531
33215	10	3.800	5.396	33287	10	12.414	6.344	33359	9	15.213	7.877	33431	13	17.760	8.033	33503	9	21.286	9.515
33216	18	3.892	5.587	33288	9	12.752	6.352	33360	12	15.675	7.408	33432	8	18.028	8.306	33504	9	22.032	9.543
33217	24	3.944	5.828	33289	8	12.874	6.351	33361	20	15.981	7.919	33433	12	18.918	8.988	33505	8	23.541	9.858
33218*	31	4.234	5.708	33290	22	14.288	6.366	33362	15	16.063	7.166	33434	15	19.086	8.607	33506	18	23.724	9.272
33219	12	5.574	5.973	33291*	32	14.662	6.862	33363	8	16.508	7.498	33435	8	19.350	8.246	33507	10	23.900	9.642
33220	20	5.753	5.970	33292	11	15.142	6.324	33364	8	16.540	7.039	33436	8	19.688	8.982	33508	8	24.192	9.736
33221	13	6.140	5.887	33293	8	15.837	6.611	33365	8	17.573	7.590	33437	14	20.062	8.844	33509	40	24.738	9.340
33222	16	6.564	5.673	33294	21	16.428	6.412	33366	10	17.578	7.617	33438	20	20.552	8.628	33510	44	24.854	9.104
33223	15	7.246	5.232	33295*	51	16.544	6.840	33367*	51	18.283	7.522	33439	11	20.803	8.823	33511	17	24.946	9.718
33224	11	8.375	5.968	33296	21	16.895	6.248	33368*	55	18.293	7.228	33440	20	20.988	8.920	33512	16	25.136	9.618
33225	14	8.486	5.097	33297	8	17.488	6.603	33369	8	18.757	7.207	33441	8	21.025	8.105	33513	10	25.691	9.588
33226	19	9.113	5.580	33298	8	17.490	6.223	33370	10	19.038	7.356	33442	8	21.246	8.406	33514	8	1.444	10.538
33227	29	9.833	5.373	33299*	29	17.730	6.468	33371	23	19.373	7.637	33443	13	21.533	8.163	33515	8	1.939	10.671
33228	8	10.824	5.294	33300	8	17.850	6.046	33372	22	19.447	7.961	33444	8	22.098	8.660	33516	20	2.265	10.756
33229*	45	11.680	5.189	33301	8	17.906	6.026	33373*	52	19.767	7.702	33445	8	22.252	8.153	33517	14	3.475	10.606
33230	23	12.402	5.604	33302	11	18.043	6.122	33374	9	20.286	7.538	33446	9	22.748	8.348	33518	8	3.931	10.276
33231	15	12.913	5.438	33303	26	18.546	6.485	33375	8	20.625	7.716	33447	23	23.360	8.894	33519	13	4.707	10.994
33232	13	12.953	5.948	33304	12	18.627	6.331	33376	13	20.898	7.016	33448	8	23.425	8.084	33520	25	4.731	10.268
33233	8	13.573	5.624	33305	10	18.972	6.302	33377	22	21.167	7.777	33449	9	23.490	8.905	33521	13	4.910	10.028
33234	8	13.759	5.228	33306	14	19.048	6.616	33378	23	21.278	7.693	33450	14	23.653	8.830	33522	9	5.293	10.916
33235	8	13.960	5.822	33307	20	19.549	6.737	33379	23	21.506	7.736	33451	9	23.724	8.892	33523	23	6.386	10.435
33236	9	14.524	5.678	33308	9	19.906	6.746	33380	8	21.561	7.756	33452	21	23.916	8.470	33524	12	6.490	10.378
33237	17	14.774	5.070	33309	9	20.280	6.338	33381	8	22.086	7.685	33453	13	24.020	8.994	33525	8	6.616	10.178
33238	11	14.815	5.176	33310	8	20.363	6.288	33382	11	22.298	7.977	33454	20	24.286	8.448	33526	11	6.780	10.848
33239	20	15.592	5.489	33311	21	20.452	6.062	33383	14	22.376	7.732	33455	20	24.844	8.640	33527*	35	7.034	10.252
33240	16	16.251	5.743	33312*	31	20.532	6.897	33384	14	22.417	7.940	33456	8	25.290	8.788	33528	17	7.092	10.496
33241	15	17.214	5.356	33313	23	20.994	6.773	33385	10	23.152	7.768	33457	12	0.024	9.441	33529	12	7.123	10.600
33242	19	17.572	5.174	33314	9	21.734	6.710	33386	8	23.484	7.608	33458	13	0.364	9.635	33530	26	7.650	10.388
33243	13	18.091	5.704	33315	10	22.026	6.058	33387	11	23.864	7.432	33459	10	1.216	9.013	33531	20	7.794	10.770
33244	9	19.576	5.762	33316	10	23.278	6.447	33388	23	24.047	7.372	33460*	35	2.080	9.320	33532	26	8.722	10.950
33245	10	20.392	5.220	33317	8	23.780	6.492	33389	9	24.616	7.823	33461	16	2.720	9.692	33533	20	9.726	10.349
33246	16	20.402	5.760	33318	8	23.946	6.067	33390	8	24.818	7.476	33462	20	3.088	9.249	33534	26	9.801	10.959
33247	8	21.027	5.935	33319	12	24.383	6.571	33391	11	25.242	7.356	33463*	35	3.130	9.602	33535	9	10.207	10.702
33248*	32	21.558	5.990	33320	14	24.967	6.788	33392	15	25.409	7.664	33464	20	3.453	9.623	33536	14	11.808	10.216
33249*	33	22.521	5.008	33321	20	25.780	6.079	33393	11	25.462	7.862	33465	20	3.682	9.685	33537	15	12.630	10.452
33250	8	22.800	5.462	33322	18	0.090	7.972	33394	14	25.804	7.853	33466	8	3.691	9.268	33538	26	12.766	10.646
33251	16	22.986	5.268	33323	10	0.252	7.378	33395	31	25.857	7.501	33467	22	3.912	9.930	33539	8	15.252	10.096
33252	8	23.323	5.129	33324	24	0.638	7.383	33396	8	0.932	8.836	33468	24	4.092	9.487	33540	14	15.314	10.463
33253	8	23.514	5.679	33325	8	1.572	7.417	33397	10	1.544	8.648	33469	9	4.232	9.047	33541	12	15.386	10.345
33254	8	23.823	5.018	33326	21	1.973	7.750	33398	21	1.562	8.043	33470	19	4.416	9.016	33542	8	15.460	10.800
33255	11	24.481	5.856	33327	16	2.020	7.444	33399	8	1.705	8.138	33471	8	4.967	9.437	33543	18	17.776	10.940
33256	31	24.653	5.710	33328	11	2.442	7.212	33400*	37	4.514	8.870	33472	9	5.604	9.972	33544	12	18.123	10.636
33257	9	24.826	5.601	33329*	42	2.517	7.145	33401	11	6.124	8.558	33473	31	7.737	9.276	33545	28	18.263	10.752
33258	19	24.984	5.772	33330	13	2.836	7.262	33402	11	6.937	8.040	33474	12	7.802	9.772	33546	8	18.286	10.072
33259	8	25.349	5.762	33331	35	2.883	7.254	33403	21	6.966	8.752	33475*	54	8.000	9.337	33547	8	18.624	10.962
33260	10	25.374	5.282	33332	11	3.036	7.658	33404	19	7.234	8.758	33476	9	8.007	9.952	33548	16	19.088	10.004
33261	10	25.548	5.092	33333	18	3.634	7.484	33405	8	7.274	8.586	33477	14	9.805	9.916	33549	16	19.149	10.738
33262	34	25.954	5.494	33334	14	4.897	7.120	33406	11	7.692	8.419	33478	12	9.837	9.697	33550	23	19.336	10.930
33263	11	0.386	6.008	33335	20	5.094	7.056	33407	8	7.769	8.400	33479	11	10.256	9.850	33551	9	19.892	10.466
33264	8	0.406	6.536	33336*	32	6.743	7.686	33408	12	8.134	8.766	33480	8	10.388	9.511	33552	21	20.290	10.266
33265	23	0.872	6.293	33337*	43	7.076	7.555	33409	19	8.340	8.090	33481	11	11.686	9.202	33553	9	20.354	10.924
33266	24	1.802	6.811	33338	20	7.387	7.029	33410	10	8.610	8.214	33482	12	12.818	9.400	33554	8	20.610	10.088
33267	14	1.926	6.236	33339	10	7.988	7.384	33411	15	8.682	8.484	33483	14	14.226	9.438	33555	24	20.784	10.853
33268	22	2.037	6.489	33340	10	8.280	7.152	33412	8	8.845	8.052	33484	12	14.465	9.446	33556	15	20.786	10.386
33269	12	2.063	6.638	33341	10	8.328	7.124	33413	9	8.906	8.129	33485	16	15.502	9.394	33557	35	21.294	10.780
33270	8	3.040	6.928	33342	9	8.682	7.153	33414	8	9.514	8.944	33486	23	15.710	9.308	33558*	38	21.301	10.727
33271	20	3.200	6.436	33343*	36	8.925	7.258	33415	8	10.250	8.236	33487	15	15.747	9.243	33559	24	22.287	10.030
33272	8	3.397	6.762	33344*	27	9.443	7.694	33416	21	10.372	8.604	33488	11	17.017	9.576	33560	11	23.201	10.248
33273	8	3.827	6.468	33345	12	11.454	7.360	33417*	31	10.472	8.096	33489	10	17.502	9.617	33561	29	23.440	10.122
33274	25	5.496	6.988	33346	16	11.574	7.526	33418	10	11.086									

33571	14	1.382	11.063	33643*	42	4.620	12.916	33715	11	10.788	13.020	33787	9	20.170	14.983	33859	10	18.246	15.700
33572	11	1.837	11.626	33644	20	5.454	12.390	33716*	58	11.802	13.630	33788	9	20.224	14.127	33860	14	18.408	15.958
33573	9	3.007	11.074	33645	8	5.852	12.402	33717	43	11.826	13.866	33789	8	20.231	14.174	33861	38	19.295	15.873
33574	22	3.403	11.534	33646	18	6.455	12.145	33718	34	12.161	13.795	33790	14	20.236	14.610	33862	31	19.378	15.873
33575	34	3.428	11.020	33647	11	6.943	12.542	33719	17	12.426	13.744	33791	19	21.081	14.943	33863	34	20.316	15.860
33576	22	3.646	11.056	33648	8	7.308	12.080	33720	9	12.488	13.150	33792	8	21.106	14.834	33864	8	20.534	15.032
33577	24	3.875	11.818	33649	11	8.736	12.700	33721*	38	14.196	13.178	33793	13	21.362	14.738	33865	8	20.619	15.424
33578	13	3.926	11.483	33650	13	8.736	12.210	33722*	30	15.407	13.008	33794	8	21.456	14.156	33866	21	21.632	15.472
33579*	39	4.087	11.934	33651	8	8.802	12.539	33723	10	16.647	13.736	33795	10	21.480	14.102	33867	17	21.654	15.627
33580	29	4.728	11.820	33652	8	9.328	12.761	33724	9	17.787	13.466	33796	10	21.570	14.708	33868	18	21.852	15.823
33581	10	5.055	11.502	33653	14	10.717	12.400	33725	9	18.250	13.258	33797	10	21.624	14.988	33869	12	22.094	15.416
33582	8	5.066	11.056	33654	12	13.726	12.981	33726*	38	18.265	13.740	33798	8	21.648	14.932	33870	33	22.669	15.962
33583	20	5.202	11.613	33655	10	13.787	12.392	33727*	43	19.235	13.594	33799	11	21.886	14.873	33871	13	23.136	15.790
33584	10	5.242	11.872	33656	9	14.331	12.406	33728*	8	19.447	13.182	33800	12	21.909	14.256	33872	10	23.744	15.689
33585	10	5.574	11.242	33657	8	14.836	12.957	33629	36	19.518	13.388	33801	10	22.087	14.529	33873	9	23.935	15.667
33586	9	5.676	11.664	33658	8	16.876	12.263	33730	10	19.668	13.756	33802	20	22.683	14.675	33874	8	24.493	15.714
33587	16	6.216	11.592	33659	16	17.345	12.496	33731	10	19.772	13.034	33803	9	22.890	14.680	33875	8	24.673	15.526
33588*	50	6.710	11.240	33660	9	17.736	12.082	33732	15	20.217	13.001	33804	16	23.045	14.586	33876	16	25.863	15.040
33589	23	6.798	11.518	33661	24	17.766	12.289	33733	12	20.508	13.252	33805	8	23.212	14.097	33877	17	25.888	15.947
33590	10	7.494	11.436	33662	8	19.166	12.712	33734	10	20.567	13.557	33806	13	23.272	14.090	33878	14	0.839	16.936
33591	8	7.675	11.774	33663	16	19.416	12.588	33735	37	20.932	13.841	33807	18	23.350	14.792	33879	14	1.186	16.297
33592	29	8.784	11.716	33664	8	19.515	12.921	33736	9	20.950	13.571	33808	10	23.359	14.773	33880	11	1.294	16.919
33593	33	8.862	11.488	33665	11	19.610	12.637	33737	15	21.600	13.282	33809	40	23.548	14.372	33881	31	1.464	16.786
33594	29	9.168	11.732	33666*	31	19.683	12.682	33738	19	22.298	13.548	33810	11	24.335	14.113	33882*	40	2.268	16.156
33595	40	9.876	11.866	33667	13	19.974	12.476	33739	8	22.509	13.026	33811	11	24.502	14.374	33883	13	3.118	16.760
33596	23	10.966	11.412	33668	15	20.206	12.228	33740	8	23.146	13.704	33812	9	24.988	14.586	33884	20	3.444	16.912
33597	18	11.312	11.932	33669	12	20.216	12.998	33741	8	23.363	13.930	33813	13	25.458	14.378	33885	8	4.178	16.848
33598	12	11.672	11.892	33670	8	20.584	12.622	33742	20	23.600	13.462	33814	9	25.986	14.608	33886	18	4.252	16.917
33599	19	11.752	11.268	33671	10	20.671	12.415	33743*	36	23.884	13.376	33815	8	0.623	15.871	33887	8	4.840	16.922
33600	10	14.045	11.829	33672	8	20.932	12.408	33744	8	23.946	13.032	33816	9	0.750	15.740	33888	8	4.880	16.928
33601	10	14.407	11.002	33673	9	21.088	12.206	33745	9	24.186	13.704	33817	8	1.078	15.821	33889	10	5.406	16.700
33602	11	14.604	11.602	33674	14	21.628	12.845	33746	13	24.264	13.753	33818	24	1.232	15.931	33890*	38	5.636	16.246
33603	12	14.786	11.917	33675	11	21.656	12.406	33747	19	24.273	13.912	33819	11	1.520	15.606	33891	16	5.750	16.824
33604*	37	14.833	11.315	33676	8	21.877	12.168	33748	16	0.263	14.538	33820	14	1.850	15.624	33892	23	5.785	16.755
33605	15	15.367	11.592	33677	13	22.414	12.862	33749	25	0.402	14.794	33821	10	2.302	15.496	33893*	41	6.976	16.027
33606	32	15.864	11.152	33678	8	22.716	12.433	33750	13	0.698	14.122	33822	8	2.542	15.580	33894	14	8.860	16.004
33607	8	16.440	11.700	33679	20	22.862	12.240	33751	19	1.252	14.426	33823	8	2.568	15.512	33895*	41	8.870	16.740
33608	22	17.196	11.274	33680	12	23.262	12.914	33752	14	1.357	14.925	33824	8	2.868	15.700	33896	14	9.306	16.466
33609	23	18.021	11.567	33681	8	24.134	12.194	33753	21	1.365	14.057	33825	8	3.140	15.491	33897	14	9.750	16.181
33610	18	18.110	11.680	33682	9	24.298	12.935	33754	16	2.332	14.386	33826	26	3.570	15.550	33898	11	9.853	16.495
33611	8	18.452	11.850	33683	11	24.480	12.590	33755	8	3.077	14.666	33827	11	4.218	15.611	33899	32	10.056	16.900
33612	8	19.112	11.740	33684	19	24.539	12.002	33756	13	3.144	14.227	33828	24	4.322	15.323	33900	8	10.135	16.827
33613	19	19.390	11.662	33685	22	25.218	12.277	33757	10	4.152	14.822	33829	8	4.505	15.034	33901	8	10.570	16.564
33614	16	20.004	11.122	33686	8	25.531	12.448	33758	22	4.196	14.557	33830	8	4.789	15.494	33902	18	10.756	16.544
33615	10	20.286	11.942	33687	9	25.558	12.442	33759	21	4.686	14.694	33831	10	4.842	15.206	33903	8	11.141	16.153
33616	8	20.643	11.768	33688	31	25.588	12.946	33760	27	4.743	14.500	33832	8	5.565	15.901	33904	23	12.026	16.834
33617	9	21.960	11.660	33689	9	25.714	12.546	33761	25	4.904	14.437	33833*	41	6.833	15.077	33905*	126	12.833	16.376
33618*	36	22.132	11.332	33690	9	0.575	13.656	33762	8	4.978	14.788	33834	10	7.650	15.910	33906	20	12.962	16.224
33619	10	22.564	11.027	33691	8	0.632	13.722	33763	14	6.226	14.586	33835	27	7.784	15.583	33907	8	13.278	16.519
33620	13	22.782	11.183	33692	24	0.886	13.323	33764	20	7.042	14.047	33836	15	7.834	15.974	33908	8	14.136	16.008
33621	9	23.050	11.696	33693	19	1.058	13.626	33765	8	7.108	14.792	33837	15	8.012	15.628	33909*	38	14.154	16.936
33622	11	23.413	11.293	33694	24	1.602	13.519	33766	10	7.716	14.937	33838	10	8.326	15.209	33910	9	15.390	16.448
33623	9	24.070	11.793	33695	9	1.833	13.857	33767	38	7.860	14.060	33839	8	8.617	15.838	33911	11	15.905	16.608
33624	30	25.230	11.634	33696	8	2.115	13.396	33768	13	10.166	14.147	33840	10	9.928	15.028	33912	14	15.952	16.324
33625	22	25.278	11.926	33697	13	2.234	13.810	33769	10	11.267	14.496	33841	10	9.943	15.929	33913*	44	16.314	16.754
33626	23	25.611	11.714	33698	10	2.381	13.345	33770	8	12.182	14.504	33842	10	10.130	15.489	33914	8	16.654	16.408
33627	8	25.673	11.574	33699	10	2.528	13.354	33771	8	12.759	14.272	33843	9	10.494	15.477	33915	19	17.308	16.288
33628	32	25.680	11.458	33700	14	2.580	13.538	33772	19	14.571	14.888	33844	9	11.338	15.746	33916	10	17.568	16.248
33629	37	25.870	11.419	33701	12	2.836	13.124	33773	8	15.464	14.736	33845	13	11.611	15.504	33917	19	17.796	16.386
33630	19	0.327	12.394	33702	11	2.980	13.745	33774	12	15.720	14.414	33846*	33	11.937	15.984	33918	26	18.024	16.130
33631	15	1.066	12.291	33703	8	3.410	13.734	33775	9	15.756	14.377	33847	8	12.046	15.154	33919	20	18.336	16.943
33632	16	1.976	12.761	33704	20	3.525	13.214	33776*	46	15.808	14.055	33848*	49	13.306	15.830	33920	9	18.408	16.584
33633	8	2.110	12.782	33705															

33931	13	24.448	16.194	34003	10	3.902	18.264	34075	8	3.856	19.112	34147	16	3.306	20.916	34219	32	1.386	21.784
33932	32	24.918	16.452	34004	11	4.926	18.576	34076	31	4.544	19.820	34148	21	3.488	20.204	34220	8	1.430	21.664
33933	22	24.948	16.062	34005	8	5.339	18.386	34077	15	5.583	19.384	34149	19	3.616	20.730	34221	8	1.612	21.520
33934	16	25.913	16.088	34006	18	5.350	18.186	34078	8	5.784	19.852	34150	10	3.850	20.340	34222	12	2.692	21.632
33935	13	25.928	16.390	34007	16	6.056	18.658	34079	9	6.714	19.132	34151	12	3.945	20.343	34223	10	3.016	21.096
33936	13	0.502	17.860	34008	11	6.158	18.163	34080	37	7.194	19.524	34152	15	3.976	20.068	34224	14	3.287	21.824
33937	20	0.504	17.877	34009	8	6.546	18.816	34081	20	7.889	19.906	34153	29	4.536	20.874	34225	20	3.360	21.512
33938	21	0.649	17.522	34010	9	6.718	18.623	34082	26	8.066	19.648	34154	16	4.766	20.199	34226	11	3.400	21.812
33939	9	1.227	17.134	34011	10	6.742	18.174	34083	8	8.866	19.187	34155*	31	6.005	20.874	34227	22	3.490	21.122
33940	8	1.479	17.764	34012	10	7.064	18.514	34084	19	8.994	19.499	34156	10	6.800	20.726	34228	9	3.962	21.132
33941	21	1.672	17.499	34013	9	7.692	18.766	34085	12	10.160	19.162	34157	12	6.845	20.928	34229	18	4.016	21.168
33942	9	2.394	17.124	34014	20	8.530	18.996	34086	10	10.202	19.908	34158	22	6.894	20.016	34230	14	4.039	21.689
33943	8	2.726	17.883	34015	9	8.838	18.929	34087	23	10.662	19.692	34159	29	6.902	20.970	34231	8	4.062	21.898
33944	8	4.266	17.321	34016	17	9.116	18.636	34088	17	10.943	19.574	34160	20	7.394	20.104	34232	10	4.082	21.974
33945	16	4.424	17.248	34017	8	10.534	18.612	34089	8	11.188	19.608	34161	10	7.650	20.644	34233	18	4.222	21.842
33946	24	4.544	17.358	34018	33	10.783	18.284	34090	22	11.274	19.812	34162	20	7.818	20.338	34234	17	4.864	21.818
33947	21	5.014	17.053	34019	9	10.926	18.076	34091	8	11.689	19.768	34163	21	7.888	20.824	34235	8	5.267	21.571
33948	10	5.261	17.352	34020	8	11.518	18.020	34092	8	11.692	19.854	34164	10	8.445	20.582	34236	8	5.782	21.822
33949	8	5.616	17.508	34021	36	11.767	18.871	34093*	41	11.945	19.124	34165	8	8.728	20.196	34237	14	6.246	21.535
33950	8	6.885	17.894	34022	13	12.174	18.250	34094	22	11.973	19.178	34166	8	8.864	20.566	34238	30	6.504	21.230
33951	18	7.864	17.753	34023	11	12.269	18.898	34095	8	12.046	19.656	34167	29	9.153	20.994	34239	13	7.134	21.226
33952	8	8.586	17.043	34024	15	13.244	18.458	34096	10	13.350	19.540	34168*	62	9.908	20.946	34240	13	7.668	21.736
33953	8	9.268	17.502	34025	22	13.476	18.182	34097	8	14.320	19.157	34169	14	10.234	20.341	34241	24	7.804	21.625
33954	8	11.560	17.659	34026	8	13.778	18.324	34098	9	14.577	19.841	34170	19	11.698	20.314	34242	19	8.305	21.686
33955	13	11.768	17.998	34027	9	13.972	18.614	34099	14	14.710	19.936	34171	13	12.092	20.239	34243	16	8.706	21.002
33956	9	11.810	17.782	34028*	40	14.138	18.524	34100	9	14.939	19.746	34172	12	12.196	20.988	34244	11	8.984	21.542
33957	8	13.426	17.754	34029	10	14.721	18.728	34101	8	15.707	19.414	34173	8	12.232	20.756	34245	21	9.078	21.990
33958	22	13.710	17.432	34030	12	15.398	18.704	34102	10	15.742	19.622	34174	10	12.284	20.451	34246	8	9.177	21.636
33959	8	14.402	17.756	34031	14	15.970	18.953	34103	8	16.420	19.574	34175	18	12.400	20.876	34247	19	9.288	21.395
33960	8	14.413	17.378	34032	17	17.384	18.178	34104	10	16.446	19.574	34176	9	12.511	20.747	34248	11	9.828	21.651
33961	16	14.956	17.736	34033	13	17.727	18.573	34105	8	16.454	19.682	34177	32	13.118	20.492	34249	11	9.829	21.754
33962	37	15.168	17.428	34034	20	18.184	18.208	34106	8	16.477	19.938	34178	29	13.599	20.922	34250	9	10.553	21.055
33963	8	15.305	17.600	34035	11	18.542	18.376	34107	13	17.052	19.277	34179	13	13.806	20.286	34251	22	10.635	21.046
33964	11	15.640	17.912	34036	8	19.040	18.276	34108	10	17.728	19.906	34180	12	14.932	20.146	34252	10	10.748	21.427
33965	14	16.266	17.648	34037	11	19.512	18.103	34109	12	18.534	19.664	34181	15	15.127	20.910	34253	18	11.751	21.736
33966	8	16.914	17.884	34038	29	19.644	18.048	34110	20	18.636	19.470	34182	14	15.302	20.843	34254	34	12.306	21.434
33967	14	17.097	17.606	34039	17	19.918	18.157	34111	10	18.939	19.812	34183	15	15.762	20.653	34255	27	12.555	21.764
33968	10	17.358	17.887	34040	11	20.008	18.723	34112	9	18.959	19.814	34184	8	15.764	20.702	34256	17	12.926	21.754
33969	27	17.842	17.155	34041	11	20.238	18.082	34113	9	19.327	19.562	34185	11	17.125	20.830	34257	11	13.784	21.144
33970	23	18.069	17.468	34042	19	20.514	18.458	34114	10	19.465	19.466	34186	11	18.434	20.675	34258	30	14.094	21.874
33971	9	19.274	17.250	34043	15	20.599	18.506	34115	10	19.746	19.522	34187	12	19.014	20.316	34259	10	14.098	21.670
33972	9	19.302	17.606	34044*	31	20.666	18.662	34116	8	20.258	19.217	34188	13	19.027	20.030	34260	15	14.273	21.037
33973	15	20.310	17.370	34045	8	21.210	18.032	34117	16	20.510	19.282	34189	11	19.270	20.582	34261	17	14.448	21.772
33974	13	20.683	17.556	34046*	26	21.690	18.446	34118	14	21.196	19.866	34190	13	19.484	20.841	34262	31	14.974	21.006
33975	9	20.854	17.478	34047	10	22.297	18.742	34119	14	21.532	19.485	34191	11	19.646	20.694	34263*	40	16.184	21.338
33976	9	21.483	17.076	34048	20	22.436	18.625	34120	8	21.666	19.167	34192	23	19.653	20.676	34264	8	17.116	21.067
33977	13	21.635	17.544	34049	14	22.460	18.406	34121	24	21.843	19.416	34193	9	19.836	20.007	34265*	31	17.242	21.065
33978	8	21.757	17.146	34050	15	23.023	18.045	34122	17	22.302	19.615	34194	9	19.854	20.262	34266	13	17.280	21.606
33979	21	22.008	17.594	34051	19	23.558	18.336	34123	10	22.770	19.564	34195	14	20.023	20.026	34267	10	17.466	21.100
33980	11	22.307	17.888	34052	10	23.573	18.424	34124	12	22.876	19.596	34196	19	20.027	20.176	34268	19	17.920	21.546
33981	8	22.608	17.959	34053	13	23.964	18.933	34125	28	23.534	19.170	34197	13	21.236	20.144	34269	24	18.006	21.820
33982	12	22.639	17.442	34054	9	23.977	18.610	34126	8	23.729	19.433	34198*	32	21.642	20.820	34270	9	18.303	21.852
33983	8	22.848	17.789	34055	16	24.542	18.942	34127	26	23.946	19.608	34199	8	21.744	20.284	34271	8	18.426	21.878
33984	37	23.058	17.154	34056	12	24.774	18.652	34128	26	23.947	19.718	34200	18	22.133	20.016	34272	11	18.614	21.153
33985	9	23.098	17.808	34057	20	24.988	18.368	34129	18	24.577	19.012	34201	20	22.337	20.643	34273	16	18.659	21.004
33986	20	23.106	17.223	34058	31	25.027	18.814	34130	21	24.736	19.992	34202	8	22.667	20.117	34274	10	19.794	21.473
33987	12	23.810	17.812	34059	8	25.275	18.442	34131	8	24.812	19.408	34203	8	22.872	20.838	34275	20	19.824	21.838
33988	8	24.162	17.310	34060	9	25.284	18.681	34132	9	25.144	19.574	34204	8	23.313	20.124	34276	12	20.465	21.454
33989	24	24.495	17.958	34061	18	25.450	18.654	34133	22	25.283	19.065	34205*	34	23.442	20.817	34277	28	20.520	21.304
33990	8	25.474	17.316	34062	16	25.482	18.946	34134	8	25.296	19.559	34206	18	23.520	20.134	34278	9	21.202	21.804
33991	23	25.816	17.029	34063	8	25.626	18.650	34135	34	25.490	19.956	34207	23	23.572	20.523	34279	9	21.317	21.597
33992	11	0.067	18.143	34064	10	25.670	18.370	34136	22	25.507	19.626	34208	33	23.684	20.574	34280	9	22.152	21.022
33993	8																		

34291	18	25.799	21.970	34363	16	16.630	22.154	34435	11	13.277	23.604	34507	8	6.336	24.106	34579	18	22.957	24.882
34293	20	0.387	22.131	34364	8	17.082	22.801	34436	11	13.344	23.928	34508*	32	6.368	24.626	34580	8	23.286	24.835
34293	14	0.512	22.989	34365	18	17.327	22.256	34437	13	13.566	23.376	34509	19	6.502	24.828	34581	13	23.306	24.207
34294	18	0.720	22.340	34366*	36	17.515	22.386	34438	16	13.752	23.246	34510	11	6.698	24.511	34582	8	23.584	24.872
34295	20	0.876	22.674	34367	9	18.057	22.786	34439	33	13.816	23.042	34511	17	6.762	24.142	34583	12	24.198	24.218
34296	8	1.018	22.747	34368	8	18.084	22.846	34440	13	15.132	23.541	34512	19	6.835	24.873	34584	8	24.274	24.066
34297	9	1.282	22.236	34369	17	18.370	22.062	34441	27	15.496	23.380	34513	20	7.173	24.904	34585	18	24.409	24.546
34298	8	1.388	22.793	34370	20	18.468	22.440	34442	17	15.816	23.894	34514	36	7.318	24.239	34586	8	24.476	24.223
34299	8	1.800	22.712	34371	14	18.500	22.475	34443	28	16.076	23.646	34515	14	7.336	24.763	34587	37	24.586	24.480
34300	9	1.956	22.443	34372	23	18.690	22.464	34444	9	16.320	23.594	34516	20	7.722	24.905	34588	10	24.818	24.662
34301	9	2.066	22.112	34373	16	18.792	22.761	34445	14	16.571	23.404	34517	8	8.457	24.794	34589	26	25.899	24.582
34302	37	2.303	22.302	34374	8	18.853	22.736	34446	8	17.266	23.521	34518	21	8.484	24.298	34590	14	0.813	25.008
34303	12	2.372	22.886	34375	14	18.943	22.406	34447	20	17.402	23.105	34519	11	8.490	24.782	34591	20	0.873	25.452
34304	10	2.494	22.192	34376	8	19.344	22.425	34448	18	17.564	23.423	34520	22	8.609	24.209	34592	15	0.904	25.438
34305	8	2.636	22.135	34377	8	19.478	22.550	34449	10	17.636	23.308	34521	17	8.714	24.462	34593	9	1.078	25.990
34306	17	2.638	22.084	34378	9	19.494	22.511	34450	9	18.398	23.714	34522	8	8.814	24.806	34594	9	1.602	25.676
34307	20	3.418	22.722	34379	10	19.707	22.962	34451	30	18.528	23.492	34523	19	8.816	24.927	34595	10	1.854	25.200
34308	17	3.563	22.236	34380	8	19.766	22.234	34452	14	18.556	23.890	34524	8	9.311	24.818	34596	11	2.206	25.913
34309	18	3.582	22.901	34381	16	19.917	22.504	34453	13	19.248	23.084	34525	19	9.930	24.508	34597	10	2.414	25.685
34310	15	3.648	22.180	34382	14	20.249	22.229	34454*	36	19.304	23.226	34526	8	10.197	24.244	34598	19	2.440	25.081
34311	8	3.847	22.345	34383*	26	20.910	22.582	34455	13	19.748	23.452	34527	10	10.522	24.312	34599	11	2.531	25.438
34312	9	4.670	22.108	34384	10	21.854	22.422	34456	12	19.954	23.384	34528	21	10.686	24.688	34600	8	2.578	25.905
34313	13	4.802	22.198	34385	8	21.982	22.990	34457	8	20.000	23.394	34529*	168	10.877	24.518	34601*	55	3.075	25.354
34314	16	4.884	22.625	34386	8	22.070	22.888	34458	9	20.216	23.953	34530	13	11.126	24.488	34602	10	3.222	25.336
34315	9	4.912	22.198	34387	8	22.390	22.932	34459	14	20.852	23.832	34531	24	11.140	24.983	34603	13	3.832	25.995
34316	8	4.924	22.844	34388	27	22.931	22.259	34460	8	21.258	23.837	34532	11	11.273	24.496	34604	8	4.066	25.576
34317	17	4.999	22.032	34389	20	23.306	22.576	34461	8	21.494	23.444	34533	17	11.362	24.464	34605	8	4.213	25.586
34318	13	5.106	22.379	34390*	46	23.607	22.825	34462	8	21.868	23.442	34534	13	11.522	24.132	34606	10	4.871	25.314
34319	10	5.522	22.802	34391	14	23.629	22.692	34463	12	22.261	23.619	34535	20	11.524	24.218	34607	19	5.647	25.784
34320	27	5.630	22.436	34392	8	23.677	22.877	34464	10	22.408	23.552	34536	8	11.657	24.602	34608	11	5.660	25.869
34321	8	5.933	22.306	34393	8	24.176	22.203	34465	8	22.951	23.542	34537	10	12.742	24.980	34609	19	6.126	25.063
34322	20	6.237	22.660	34394*	33	24.430	22.836	34466	8	23.053	23.792	34538	8	13.191	24.744	34610	8	6.468	25.784
34323	14	6.373	22.963	34395	16	25.160	22.608	34467	9	23.138	23.844	34539	25	13.391	24.674	34611	22	6.778	25.719
34324	14	6.403	22.514	34396	14	25.236	22.636	34468	11	23.877	23.342	34540	10	13.627	24.672	34612	9	7.334	25.894
34325	8	6.514	22.155	34397	41	25.266	22.974	34469	9	24.369	23.699	34541	10	13.726	24.763	34613	10	7.416	25.038
34326	31	6.734	22.500	34398	8	25.418	22.212	34470	14	24.411	23.316	34542	14	13.957	24.572	34614	13	7.602	25.738
34327	8	6.823	22.272	34399	14	25.606	22.908	34471	19	24.485	23.973	34543	10	14.140	24.985	34615	11	7.690	25.697
34328	8	7.116	22.248	34400	8	0.134	23.712	34472	12	24.696	23.847	34544	11	14.280	24.578	34616	10	7.816	25.835
34329	9	7.218	22.249	34401	13	0.420	23.118	34473	23	24.902	23.921	34545	9	14.344	24.234	34617	11	7.886	25.844
34330	8	7.738	22.702	34402	9	2.176	23.564	34474	8	25.886	23.043	34546	14	14.820	24.032	34618	13	8.302	25.248
34331	10	8.080	22.821	34403	12	2.356	23.288	34475	12	0.026	24.726	34547	16	15.410	24.863	34619	26	8.670	25.506
34332	8	8.689	22.956	34404	8	2.566	23.867	34476	14	0.144	24.226	34548	29	15.727	24.078	34620	10	9.524	25.197
34333	9	8.796	22.938	34405	20	2.750	23.685	34477	9	0.183	24.985	34549	19	15.734	24.450	34621	8	9.682	25.192
34334	11	8.985	22.923	34406	17	3.132	23.877	34478	31	0.356	24.384	34550	12	15.934	24.530	34622	9	9.809	25.717
34335	16	9.185	22.610	34407	18	5.184	23.585	34479	8	0.842	24.256	34551	10	16.313	24.183	34623	14	10.030	25.336
34336	10	10.523	22.017	34408*	40	5.954	23.184	34480	20	0.865	24.775	34552	8	16.454	24.982	34624	31	10.124	25.584
34337	13	10.836	22.774	34409	8	6.204	23.944	34481	15	0.885	24.707	34553	13	16.616	24.932	34625	8	10.272	25.956
34338	10	11.196	22.721	34410	11	6.395	23.125	34482	14	1.163	24.802	34554	10	17.000	24.936	34626	9	10.648	25.077
34339	26	11.446	22.786	34411	8	6.540	23.233	34483	10	1.273	24.056	34555	9	17.216	24.576	34627	25	10.702	25.028
34340	8	11.583	22.465	34412*	44	6.756	23.000	34484	14	1.290	24.731	34556	26	17.270	24.056	34628	8	10.904	25.934
34341	8	11.617	22.628	34413	10	6.834	23.017	34485	8	1.894	24.778	34557	15	17.514	24.392	34629	8	11.756	25.687
34342	32	11.648	22.434	34414	8	7.236	23.922	34486	8	2.029	24.712	34558	9	17.740	24.398	34630	19	11.788	25.948
34343*	45	11.675	22.932	34415	8	7.246	23.431	34487	8	2.462	24.343	34559	18	17.926	24.408	34631	13	12.109	25.143
34344	8	11.924	22.640	34416	8	7.297	23.589	34488	9	2.906	24.405	34560	19	17.926	24.214	34632	9	12.136	25.962
34345	21	12.073	22.890	34417	29	7.879	23.282	34489	18	3.068	24.264	34561	9	18.076	24.134	34633	10	12.328	25.572
34346	9	12.285	22.330	34418	8	7.946	23.084	34490	10	3.100	24.062	34562	9	18.178	24.367	34634	8	12.562	25.802
34347	14	12.516	22.885	34419	11	8.078	23.316	34491	13	3.774	24.368	34563	22	18.438	24.444	34635	10	12.697	25.288
34348	9	12.632	22.556	34420	8	8.368	23.224	34492	10	3.930	24.944	34564	9	18.708	24.791	34636	15	12.814	25.216
34349	8	13.126	22.974	34421	20	8.531	23.462	34493	12	3.993	24.674	34565	24	18.766	24.507	34637	8	12.920	25.921
34350	9	13.210	22.626	34422	8	8.912	23.474	34494	10	4.075	24.017	34566	20	19.168	24.342	34638	15	13.232	25.139
34351	12	13.703	22.751	34423	8	8.975	23.977	34495	18	4.400	24.288	34567	11	19.636	24.656	34639	8	13.494	25.254
34352	15	13.842	22.594	34424	18	9.308	23.290	34496	20	4.492	24.016	34568	19	19.746	24.489	34640	8	13.604	25.725
34353	9	13.940	22.710	34425	22	9.308	23.290	34											

34651	10	15.287	25.468	34715	10	15.112	0.390	34787	10	18.718	2.260	34859	25	7.860	5.423	34931	10	14.801	7.277
34652	13	16.012	25.370	34716	29	16.790	0.250	34788	28	19.013	2.152	34860*	30	9.716	5.859	34932	17	15.261	7.652
34653	9	16.539	25.093	34717	20	17.228	0.255	34789	13	19.500	2.307	34861	12	10.740	5.450	34933*	30	16.086	7.834
34654	8	17.124	25.138	34718	21	17.837	0.800	34790	24	20.260	2.549	34862	12	11.222	5.427	34934	16	16.912	7.139
34655	32	17.476	25.436	34719	14	18.266	0.291	34791	17	24.357	2.730	34863	10	11.690	5.920	34935	10	17.164	7.424
34656	18	17.673	25.516	34720	22	18.310	0.607	34792	53	25.620	2.457	34864	28	14.574	5.969	34936*	31	17.474	7.536
34657	12	17.706	25.460	34721	13	19.067	0.608	34793	10	25.958	2.772	34865	14	14.951	5.094	34937	10	17.962	7.706
34658	15	17.957	25.072	34722	34	19.792	0.000	34794	15	1.810	3.402	34866	29	15.350	5.368	34938	11	19.852	7.414
34659	10	18.524	25.558	34723	43	20.432	0.016	34795*	29	2.844	3.724	34867	27	16.216	5.268	34939	18	20.522	7.998
34660	19	18.918	25.707	34724	22	21.630	0.914	34796	13	3.602	3.666	34868	12	16.237	5.461	34940	12	20.540	7.200
34661	8	19.204	25.896	34725	38	22.018	0.200	34797	18	4.348	3.654	34869	13	16.456	5.442	34941	13	21.070	7.882
34662	27	19.417	25.843	34726	14	23.100	0.570	34798	15	4.600	3.246	34870*	34	16.896	5.250	34942*	39	21.452	7.550
34663	28	19.702	25.346	34727	10	23.288	0.245	34799	10	6.038	3.658	34871*	27	17.184	5.326	34943	14	21.860	7.378
34664	11	19.732	25.931	34728	13	23.591	0.484	34800	17	7.230	3.261	34872	15	19.252	5.474	34944	24	22.148	7.567
34665	26	19.753	25.576	34729	28	24.373	0.086	34801	13	7.773	3.410	34873	15	22.055	5.141	34945*	27	22.548	7.106
34666	8	20.220	25.244	34730	24	0.676	1.715	34802*	26	8.133	3.270	34874	14	22.700	5.650	34946*	40	24.358	7.832
34667	10	20.587	25.103	34731	29	1.008	1.112	34803	12	9.455	3.788	34875	16	22.878	5.880	34947	25	25.440	7.632
34668	33	21.500	25.684	34732	10	1.196	1.202	34804*	38	10.110	3.840	34876	17	25.896	5.792	34948	10	25.568	7.135
34669	22	21.562	25.944	34733	26	1.928	1.668	34805	13	10.603	3.628	34877	26	0.300	6.345	34949	15	0.046	8.052
34670	13	21.798	25.950	34734	10	2.030	1.692	34806	11	12.986	3.460	34878*	24	3.388	6.020	34950	21	0.274	8.091
34671	16	22.436	25.372	34735	10	2.963	1.586	34807	12	13.160	3.089	34879	13	3.720	6.078	34951	12	1.142	8.074
34672	8	22.800	25.293	34736	10	3.656	1.974	34808	12	15.316	3.768	34880	14	4.522	6.374	34952	10	1.886	8.282
34673	13	22.854	25.454	34737	20	4.500	1.840	34809	13	16.708	3.774	34881*	29	4.770	6.148	34953	14	2.693	8.791
34674	8	23.323	25.739	34738	27	4.989	1.740	34810	15	16.754	3.870	34882	12	4.840	6.367	34954	14	3.060	8.764
34675	23	23.715	25.666	34739	38	6.010	1.447	34811	13	17.390	3.070	34883	19	5.932	6.450	34955	10	4.572	8.146
34676	8	23.798	25.512	34740*	31	7.590	1.824	34812	11	18.223	3.200	34884*	28	6.088	6.024	34956	12	6.262	8.601
34677	14	24.008	25.283	34741	29	8.398	1.194	34813	10	18.364	3.733	34885	25	6.502	6.634	34957	12	7.500	8.054
34678	20	24.014	25.442	34742	20	8.520	1.084	34814	18	19.442	3.956	34886	10	6.630	6.631	34958	16	7.856	8.585
34679	10	24.586	25.953	34743	10	8.961	1.655	34815*	28	19.765	3.744	34887	10	7.070	6.261	34959	14	8.191	8.925
34680	11	25.356	25.434	34744	14	9.778	1.326	34816	12	20.512	3.076	34888	12	8.866	6.300	34960	13	10.090	8.244
34681	14	25.837	25.526	34745	10	10.021	1.710	34817	14	20.934	3.470	34889	15	8.980	6.349	34961	21	12.099	8.791
34682	8	25.869	25.286	34746	10	10.520	1.182	34818	13	21.854	3.306	34890	12	11.826	6.359	34962	14	12.390	8.683
34683	32	25.870	25.454	34747	10	11.046	1.790	34819	20	22.651	3.110	34891	19	12.866	6.489	34963*	27	12.858	8.707
34684	16	25.992	25.430	34748	14	11.310	1.415	34820	27	25.816	3.907	34892	12	12.960	6.232	34964	14	13.756	8.850
				34749	19	11.432	1.734	34821	25	1.540	4.060	34893	24	14.607	6.463	34965	12	15.349	8.786
				34750	29	11.968	1.632	34822	10	6.387	4.076	34894	27	14.849	6.189	34966	16	15.881	8.279
				34751	27	14.037	1.404	34823	18	9.546	4.124	34895	29	15.096	6.906	34967	15	16.428	8.564
				34752	23	14.384	1.238	34824	15	9.694	4.478	34896	10	15.828	6.091	34968	10	16.456	8.656
				34753	16	14.850	1.292	34825	18	10.366	4.508	34897	10	16.458	6.488	34969	22	16.789	8.712
				34754	14	15.322	1.010	34826	19	10.995	4.658	34898	16	16.570	6.934	34970	10	18.247	8.394
				34755	30	16.241	1.978	34827	16	11.030	4.909	34899	12	17.071	6.098	34971	20	18.694	8.999
				34756	28	16.390	1.921	34828	13	11.204	4.970	34900	14	17.380	6.876	34972	16	19.601	8.206
				34757	21	19.034	1.892	34829	26	12.536	4.594	34901	13	18.151	6.871	34973	18	20.978	8.382
				34758	16	20.766	1.042	34830	14	15.120	4.238	34902	14	18.341	6.310	34974	10	21.100	8.750
				34759	11	20.850	1.506	34831*	31	15.412	4.934	34903	10	18.850	6.230	34975	10	21.450	8.711
				34760	27	21.239	1.038	34832	10	16.114	4.730	34904	10	18.926	6.514	34976	26	22.308	8.050
				34761	13	21.860	1.204	34833	17	17.263	4.424	34905	13	19.168	6.430	34977	14	24.280	8.070
				34762	36	21.964	1.286	34834	16	17.570	4.336	34906*	34	19.217	6.916	34978*	68	24.435	8.064
				34763	28	22.531	1.366	34835	14	17.638	4.376	34907*	30	19.322	6.374	34979	30	25.961	8.162
				34764	12	24.498	1.556	34836	11	18.022	4.534	34908	14	20.381	6.014	34980	21	2.144	9.224
				34765	11	25.628	1.378	34837*	36	20.734	4.839	34909	15	20.427	6.251	34981	10	2.434	9.153
				34766	16	0.210	2.420	34838	10	21.071	4.185	34910	17	20.842	6.582	34982	10	2.512	9.596
				34767	22	0.610	2.971	34839	10	22.336	4.326	34911	13	21.331	6.668	34983	10	2.805	9.317
				34768	23	0.685	2.184	34840	13	22.569	4.948	34912	10	22.318	6.566	34984*	29	3.528	9.650
				34769	19	3.625	2.485	34841	12	22.710	4.267	34913	12	22.592	6.268	34985*	35	3.640	9.408
				34770	23	4.288	2.392	34842	15	23.850	4.734	34914	10	23.515	6.777	34986	9	6.126	9.191
				34771*	44	4.660	2.140	34843	11	24.322	4.230	34915	14	23.560	6.012	34987	25	6.590	9.936
				34772	10	6.283	2.218	34844	12	24.518	4.104	34916	13	24.198	6.465	34988*	16	6.976	9.052
				34773*	40	6.368	2.148	34845	13	24.635	4.630	34917	10	25.161	6.614	34989*	27	7.086	9.055
				34774	10	8.140	2.500	34846	10	25.150	4.074	34918	10	0.490	7.063	34990	13	9.090	9.771
				34775	23	9.550	2.287	34847	11	0.100	5.245	34919	23	2.807	7.690	34991	10	11.390	9.609
				34776	12	11.552	2.056	34848	27	1.246	5.350	34920	15	3.719	7.090	34992	19	12.157	9.818
				34777	10	11.886	2.426	34849	10	1.716	5.602	34921	27	4.620	7.792	34993	17	13.416	9.584
				34778	23	12.278	2.469	34850	21	3.474	5.130	34922*	28	6.798	7.366	34994	16	13.560	9.536
				34779	10	12.510	2.772	34851	10	4.104	5.578	34923	13	7.300	7.907	34995	15	15.006	9.154
				34780	22	12.574	2.791	34852	27	4.375	5.043	34924	23	7.300	7.027	34996*	29	15.131	9.904
				34781*	40	12.622	2.764	34853*	31	4.402	5.202	34925	13	7.637	7.484				

35003*	30	21.000	9.280	35075	10	15.981	11.412	35147	15	21.100	13.614	35219	13	22.110	15.713	35291	12	17.890	17.539
35004	30	21.065	9.044	35076	17	17.130	11.930	35148*	38	21.980	13.386	35220	19	22.246	15.885	35292	27	20.260	17.595
35005	10	21.285	9.446	35077*	49	18.274	11.746	35149	12	22.132	13.270	35221	18	22.248	15.815	35293	16	20.949	17.791
35006	10	22.560	9.664	35078	10	19.304	11.108	35150	12	22.160	13.572	35222	10	22.389	15.269	35294	27	21.378	17.527
35007	10	22.730	9.776	35079	34	20.232	11.102	35151*	58	23.720	13.198	35223	14	22.820	15.756	35295	14	21.787	17.187
35008	10	22.857	9.079	35080	27	20.260	11.090	35152	28	24.419	13.062	35224	14	23.110	15.683	35296	10	21.830	17.370
35009	11	23.551	9.364	35081	14	22.500	11.728	35153	31	25.266	13.734	35225	18	23.172	15.866	35297	21	22.100	17.420
35010	13	24.884	9.470	35082	26	23.090	11.316	35154	32	25.728	13.921	35226	17	23.740	15.150	35298	15	22.367	17.704
35011	10	25.130	9.732	35083	15	23.240	11.826	35155	12	1.914	14.914	35227	10	24.199	15.702	35299	14	22.576	17.666
35012	10	25.205	9.624	35084*	32	23.374	11.072	35156	34	2.414	14.698	35228	20	24.715	15.413	35300	14	23.790	17.148
35013	19	1.090	10.372	35085	31	25.480	11.685	35157	11	3.132	14.225	35229	10	25.240	15.535	35301	21	0.618	18.801
35014	19	2.242	10.450	35086	14	1.696	12.575	35158*	38	5.453	14.834	35230	25	25.564	15.800	35302	15	1.366	18.966
35015	10	2.490	10.854	35087	14	4.052	12.576	35159	22	6.524	14.910	35231	26	25.810	15.071	35303	13	1.943	18.378
35016	10	4.319	10.310	35088	14	4.106	12.224	35160	12	6.857	14.010	35232	17	0.739	16.172	35304	13	2.486	18.660
35017	11	4.370	10.742	35089	15	4.434	12.006	35161	10	7.110	14.872	35233	14	0.815	16.490	35305	10	2.730	18.134
35018	17	4.904	10.540	35090	26	6.339	12.266	35162	22	7.350	14.682	35234	28	1.560	16.299	35306	23	3.414	18.269
35019	10	6.204	10.034	35091	10	9.190	12.260	35163*	33	8.060	14.639	35235	26	3.812	16.754	35307	10	3.702	18.961
35020	13	6.640	10.156	35092	21	9.262	12.126	35164	26	10.123	14.263	35236	16	3.839	16.365	35308	14	3.913	18.670
35021	11	7.399	10.270	35093	14	11.404	12.396	35165	10	11.460	14.292	35237	11	4.776	16.236	35309	15	4.380	18.949
35022	19	7.560	10.708	35094	28	12.144	12.443	35166	22	11.530	14.360	35238	11	4.804	16.376	35310	10	6.246	18.030
35023*	40	7.798	10.873	35095	13	12.743	12.692	35167	14	12.338	14.527	35239	12	5.558	16.577	35311	24	6.602	18.904
35024	10	9.126	10.325	35096	11	13.336	12.112	35168*	22	12.464	14.358	35240	22	6.041	16.363	35312	10	6.606	18.236
35025	18	9.485	10.782	35097*	31	15.032	12.350	35169	16	12.488	14.832	35241	15	6.301	16.746	35313	25	8.486	18.472
35026	14	9.830	10.254	35098	17	16.718	12.892	35170*	23	13.354	14.492	35242	27	6.770	16.607	35314	20	8.724	18.801
35027	16	10.396	10.900	35099	19	17.045	12.716	35171	13	14.342	14.238	35243	12	7.574	16.264	35315	11	8.762	18.312
35028	26	11.107	10.956	35100	14	17.416	12.065	35172	29	14.938	14.590	35244	12	7.900	16.076	35316	11	10.586	18.405
35029	17	11.121	10.824	35101	10	18.359	12.677	35173	27	17.084	14.380	35245	16	9.120	16.913	35317	14	11.077	18.654
35030	25	11.548	10.390	35102	12	19.066	12.626	35174	10	18.083	14.472	35246	19	9.411	16.382	35318	10	11.706	18.321
35031*	31	12.050	10.714	35103	26	19.458	12.883	35175	13	18.410	14.400	35247*	36	9.726	16.344	35319	18	11.720	18.156
35032	11	12.738	10.296	35104	13	20.367	12.529	35176	11	19.652	14.636	35248	16	10.158	16.776	35320	15	12.808	18.104
35033	16	14.990	10.178	35105	14	20.631	12.076	35177	14	19.944	14.520	35249*	60	10.866	16.648	35321	15	13.061	18.126
35034	13	15.056	10.126	35106	26	22.042	12.800	35178*	30	20.949	14.940	35250	17	11.236	16.266	35322	10	13.342	18.424
35035	25	16.577	10.215	35107	13	22.062	12.040	35179	11	21.725	14.858	35251	29	11.364	16.615	35323	26	13.375	18.048
35036	13	16.706	10.757	35108	10	22.130	12.612	35180	10	22.428	14.690	35252	27	11.840	16.388	35324	11	13.800	18.482
35037	15	17.640	10.370	35109	10	22.704	12.048	35181*	52	23.468	14.410	35253	13	14.161	16.650	35325	14	14.244	18.503
35038	28	18.354	10.375	35110	11	23.130	12.522	35182	10	23.863	14.106	35254	19	15.026	16.176	35326	17	15.756	18.466
35039*	27	19.337	10.189	35111	21	23.725	12.935	35183	18	24.022	14.235	35255	27	15.334	16.588	35327	31	16.848	18.718
35040*	28	19.350	10.480	35112	14	23.764	12.120	35184	25	24.670	14.566	35256	14	15.520	16.606	35328*	51	16.919	18.100
35041	10	20.123	10.860	35113	16	24.642	12.910	35185*	31	24.760	14.940	35257	25	16.419	16.850	35329	14	17.392	18.274
35042	12	20.275	10.215	35114	17	25.398	12.112	35186	34	25.842	14.716	35258	31	18.720	16.152	35330	26	17.875	18.100
35043	16	20.310	10.230	35115	27	25.933	12.894	35187	10	0.235	15.097	35259	12	18.748	16.300	35331	12	18.270	18.764
35044	10	20.646	10.460	35116	14	0.470	13.196	35188	17	0.513	15.828	35260	14	19.070	16.766	35332	12	18.606	18.202
35045	16	21.926	10.020	35117	14	2.452	13.784	35189	10	0.542	15.980	35261	13	19.388	16.224	35333	29	19.054	18.137
35046	15	22.752	10.929	35118*	32	2.735	13.695	35190	16	1.556	15.012	35262	14	21.859	16.154	35334	10	19.351	18.842
35047	17	22.990	10.762	35119	21	4.431	13.240	35191	12	2.221	15.118	35263	33	22.404	16.090	35335	13	19.650	18.490
35048	20	23.487	10.764	35120	19	4.916	13.626	35192*	69	4.924	15.284	35264	14	23.490	16.603	35336	12	20.214	18.006
35049	27	23.990	10.396	35121	17	5.940	13.705	35193	12	5.210	15.130	35265	19	24.850	16.136	35337	10	21.260	18.782
35050	28	25.306	10.336	35122	21	6.340	13.290	35194	10	5.510	15.110	35266	46	25.189	16.262	35338*	45	21.412	18.382
35051	10	25.620	10.570	35123	26	6.353	13.080	35195	20	6.311	15.673	35267	10	25.380	16.549	35339	15	22.182	18.432
35052	29	0.106	11.138	35124	19	7.490	13.430	35196	21	6.502	15.258	35268	19	0.924	17.940	35340	13	23.680	18.771
35053	36	0.110	11.086	35125	15	8.944	13.016	35197	27	6.680	15.883	35269	10	1.178	17.061	35341*	58	23.859	18.200
35054	32	0.950	11.678	35126	14	9.345	13.575	35198	10	7.002	15.375	35270	32	1.965	17.486	35342	37	24.558	18.342
35055	11	1.600	11.520	35127	10	9.413	13.172	35199*	33	7.330	15.892	35271	13	2.014	17.554	35343	20	24.644	18.508
35056	19	4.054	11.934	35128	10	9.445	13.616	35200	30	7.366	15.430	35272	18	4.720	17.321	35344	22	24.870	18.959
35057*	23	4.500	11.750	35129	14	9.778	13.778	35201*	45	7.774	15.924	35273	10	5.404	17.456	35345	30	25.034	18.612
35058*	31	4.690	11.710	35130	13	9.862	13.328	35202	29	8.176	15.894	35274	17	5.982	17.905	35346	12	25.898	18.368
35059	10	6.090	11.230	35131	17	10.651	13.680	35203*	32	8.350	15.284	35275	10	7.520	17.602	35347	24	0.786	19.765
35060	13	6.850	11.455	35132	13	11.340	13.874	35204*	31	9.558	15.933	35276	12	8.551	17.037	35348	11	1.246	19.957
35061	9	6.975	11.512	35133	26	11.710	13.972	35205	13	9.908	15.854	35277	14	9.684	17.350	35349	10	1.821	19.930
35062	24	7.166	11.497	35134	10	12.780	13.716	35206	24	11.006	15.959	35278	10	9.866	17.134	35350	26	2.471	19.493
35063	16	7.778	11.899	35135	14	13.128	13.414	35207	10	11.488	15.702	35279	10	10.239	17.590	35351	23	2.890	19.925
35064	27	8.614	11.754	35136	11	13.400	13.696	35208	10	12.199	15.768	35280*	33	10.414	17.941	35352			

35363	13	10.320	19.249	35435	29	16.349	20.919	35507	12	14.868	22.765	35579*	40	3.602	24.788	35651	14	13.946	25.686
35364	18	10.362	19.358	35436	21	17.638	20.663	35508	31	15.800	22.082	35580	10	3.702	24.156	35652	26	14.100	25.271
35365	15	11.151	19.620	35437	17	17.700	20.772	35509	17	15.838	22.142	35581	25	3.910	24.221	35653	28	14.346	25.932
35366	21	11.616	19.514	35438	10	18.040	20.323	35510	14	15.913	22.032	35582	27	4.916	24.870	35654	14	14.584	25.304
35367	16	11.796	19.164	35439	18	18.502	20.574	35511	26	16.726	22.800	35583	19	5.058	24.218	35655	10	15.046	25.978
35368	10	11.841	19.739	35440	10	18.550	20.393	35512	15	16.870	22.959	35584	26	5.228	24.903	35656	35	15.219	25.540
35369	14	12.482	19.464	35441	19	18.958	20.936	35513	10	17.426	22.465	35585*	63	5.264	24.476	35657	19	15.340	25.379
35370	16	12.552	19.284	35442	22	20.390	20.084	35514	17	18.420	22.078	35586	28	5.710	24.776	35658	10	15.636	25.618
35371	10	12.666	19.594	35443	19	21.084	20.108	35515	27	18.742	22.741	35587	15	6.069	24.674	35659	12	17.038	25.289
35372*	33	12.691	19.376	35444	33	22.086	20.396	35516	11	19.826	22.560	35588	27	6.352	24.004	35660	40	17.392	25.921
35373	11	12.780	19.533	35445	19	22.124	20.158	35517	26	21.056	22.722	35589	21	6.400	24.268	35661	10	18.525	25.910
35374	26	13.170	19.763	35446	23	22.167	20.764	35518*	34	21.169	22.234	35590	16	6.837	24.200	35662	33	18.702	25.088
35375	10	13.343	19.743	35447	18	22.631	20.692	35519	20	21.585	22.516	35591	10	6.905	24.853	35663	22	18.829	25.916
35376	22	13.814	19.640	35448	18	23.424	20.274	35520	14	21.601	22.229	35592	25	8.500	24.176	35664	15	19.538	25.167
35377	33	15.776	19.358	35449	10	23.700	20.012	35521	13	22.039	22.200	35593	10	9.054	24.434	35665	12	20.984	25.829
35378	14	16.152	19.446	35450	10	24.584	20.920	35522	19	22.624	22.032	35594	21	9.820	24.132	35666	25	21.104	25.311
35379	16	16.458	19.682	35451	13	24.896	20.770	35523	12	22.974	22.754	35595	12	10.007	24.269	35667	24	21.846	25.442
35380	18	16.841	19.300	35452	46	24.932	20.995	35524	10	22.976	22.104	35596	10	10.609	24.454	35668	16	22.035	25.685
35381	14	16.882	19.496	35453	30	0.600	21.171	35525	15	24.052	22.490	35597	28	10.838	24.330	35669	10	22.575	25.410
35382	10	16.950	19.884	35454*	35	2.402	21.144	35526	25	24.092	22.348	35598	25	12.460	24.342	35670	31	22.857	25.164
35383	17	18.440	19.394	35455	10	4.160	21.501	35527*	31	24.568	22.028	35599	29	12.632	24.386	35671	13	23.866	25.242
35384	12	21.062	19.599	35456	28	6.040	21.114	35528	22	25.578	22.682	35600	10	12.726	24.340	35672	55	24.225	25.866
35385	17	21.525	19.814	35457	24	7.958	21.310	35529	14	25.810	22.832	35601	10	13.302	24.496	35673	13	25.907	25.765
35386	11	22.284	19.846	35458	24	8.211	21.440	35530	27	25.840	22.602	35602	10	13.463	24.586	35674	12	25.999	25.631
35387	10	22.456	19.202	35459	26	8.220	21.062	35531	16	25.921	22.580	35603	31	13.680	24.032				
35388	21	22.496	19.747	35460	10	9.204	21.516	35532*	47	2.598	23.149	35604	18	13.841	24.870				
35389*	35	22.662	19.500	35461	13	10.053	21.270	35533	12	2.878	23.657	35605	17	14.348	24.042				
35390	15	22.920	19.671	35462	18	12.021	21.504	35534	10	3.410	23.624	35606	27	15.042	24.092				
35391	25	23.269	19.399	35463	17	13.007	21.640	35535*	31	3.420	23.148	35607	10	15.448	24.835				
35392	14	23.305	19.650	35464	29	13.508	21.876	35536	10	3.746	23.400	35608*	31	16.166	24.116				
35393	19	23.398	19.026	35465	14	13.516	21.673	35537*	42	4.258	23.270	35609	10	16.181	24.824				
35394	14	24.156	19.502	35466	18	14.440	21.435	35538	11	4.600	23.200	35610	21	16.234	24.524				
35395	17	24.570	19.576	35467	13	14.804	21.034	35539	18	5.110	23.742	35611	29	16.714	24.355				
35396	16	24.580	19.494	35468	10	14.861	21.029	35540	17	5.844	23.258	35612	18	17.622	24.132				
35397	14	24.676	19.006	35469*	28	14.922	21.021	35541	13	6.759	23.105	35613	27	17.956	24.770				
35398*	40	24.798	19.632	35470	11	15.030	21.126	35542	10	7.620	23.850	35614*	40	18.206	24.423				
35399	25	25.848	19.024	35471*	33	15.186	21.514	35543	25	8.198	23.605	35615	11	18.304	24.596				
35400	14	0.146	20.225	35472	15	15.300	21.613	35544	26	8.364	23.676	35616*	36	18.441	24.042				
35401	10	0.188	20.504	35473	13	16.459	21.471	35545	16	8.552	23.468	35617	10	18.677	24.580				
35402	12	1.085	20.364	35474	12	16.670	21.283	35546	14	9.570	23.012	35618	15	20.916	24.025				
35403	17	1.299	20.984	35475	12	16.856	21.868	35547*	33	9.950	23.940	35619	27	21.416	24.324				
35404	11	2.472	20.458	35476	20	17.286	21.380	35548	16	10.100	23.814	35620	19	21.562	24.162				
35405	18	2.530	20.845	35477	21	17.306	21.918	35549*	32	10.810	23.816	35621	13	22.700	24.050				
35406	30	2.642	20.898	35478	16	17.858	21.650	35550	11	11.063	23.580	35622	23	23.119	24.250				
35407	23	2.892	20.034	35479	28	21.326	21.385	35551	28	11.070	23.258	35623*	41	23.130	24.270				
35408	10	2.934	20.561	35480	13	22.940	21.806	35552	11	11.230	23.993	35624*	34	23.735	24.900				
35409	17	3.268	20.516	35481	40	25.152	21.886	35553	23	11.869	23.966	35625	18	23.927	24.250				
35410	20	3.686	20.299	35482	32	25.178	21.912	35554	10	11.900	23.938	35626	10	24.348	24.636				
35411	13	4.222	20.738	35483	13	25.440	21.444	35555	18	12.231	23.448	35627	11	25.752	24.950				
35412	30	4.439	20.249	35484	25	1.915	22.592	35556*	28	12.751	23.869	35628	14	1.466	25.709				
35413*	37	4.974	20.682	35485	20	2.296	22.901	35557	10	13.096	23.816	35629	10	1.887	25.785				
35414*	65	5.838	20.466	35486	15	3.114	22.316	35558	15	14.631	23.508	35630	15	1.982	25.212				
35415*	37	6.078	20.079	35487	10	3.654	22.413	35559	17	15.790	23.403	35631	25	2.750	25.986				
35416	10	6.585	20.561	35488	15	4.150	22.908	35560	12	16.020	23.699	35632	13	3.040	25.600				
35417	21	8.238	20.260	35489	13	4.226	22.931	35561	11	17.676	23.844	35633	23	3.050	25.756				
35418	21	8.563	20.148	35490	28	4.350	22.135	35562	10	18.920	23.244	35634	12	4.388	25.730				
35419	10	8.900	20.880	35491	16	4.779	22.260	35563	10	18.984	23.860	35635	16	4.870	25.814				
35420	11	9.110	20.286	35492*	37	5.202	22.919	35564*	39	19.530	23.507	35636	33	4.900	25.740				
35421	16	9.574	20.314	35493	10	5.335	22.536	35565	11	19.771	23.070	35637	10	5.050	25.664				
35422	12	10.256	20.598	35494	26	6.650	22.614	35566	26	20.042	23.736	35638	31	5.140	25.727				
35423	11	11.230	20.358	35495	15	6.788	22.741	35567	10	20.392	23.790	35639	11	6.150	25.014				
35424*	30	12.250	20.650	35496	19	11.250	22.511	35568	26	20.632	23.539	35640	11	6.392	25.143				
35425	31	13.303	20.570	35497	14	11.310	22.773	35569	15	21.200	23.358	35641	10	8.150	25.314				
35426	13	13.780	20.736	35498	12	11.610	22.582	35570*	42	22.030	23.197	35642	24	9.482	25.166				
35427	12	14.000	20.334	35499	18	11.630	22.409	35571	20	23.093	23.192	35643	24	9.580	25.362				
35428*	31	14.070	20.698	35500	12	13.444	22.218	35572*	37	23.859	23.826	35644	13	9.744	25.600				
35429	20	14.951	20.474	35501	26	13.567	22.006	35573											

35725	10	8.734	0.545	35797	10	15.266	1.752	35869*	40	17.139	2.210	35941	10	0.574	4.230	36013	35	5.171	5.582
35726	40	8.794	0.290	35798	16	15.371	1.933	35870*	45	20.234	2.254	35942	10	0.731	4.098	36014	26	5.195	5.714
35727	23	9.034	0.624	35799	28	15.616	1.920	35871	15	21.279	2.703	35943	29	1.580	4.808	36015	22	5.350	5.708
35728	21	10.498	0.408	35800	13	16.271	1.445	35872	14	21.289	2.614	35944	10	1.800	4.178	36016	32	5.515	5.890
35729	26	11.485	0.148	35801	10	16.330	1.834	35873	10	21.611	2.594	35945	11	2.029	4.816	36017	12	6.302	5.100
35730	13	11.752	0.087	35802	10	16.405	1.896	35874	28	21.681	2.406	35946	27	2.046	4.298	36018	12	6.421	5.462
35731	30	12.710	0.831	35803	13	16.658	1.016	35875	38	22.190	2.904	35947	26	2.240	4.169	36019	12	6.464	5.584
35732	34	13.336	0.000	35804	47	16.699	1.516	35876	11	24.281	2.769	35948	14	2.262	4.548	36020*	39	7.154	5.381
35733	11	14.230	0.268	35805	10	16.720	1.710	35877	17	24.344	2.600	35949	23	2.365	4.692	36021	12	7.194	5.254
35734	14	14.574	0.607	35806	44	17.016	1.344	35878	10	24.424	2.844	35950	15	2.856	4.062	36022	11	8.180	5.976
35735	20	14.655	0.001	35807	18	17.385	1.436	35879	10	24.564	2.074	35951	21	2.872	4.130	36023	10	8.242	5.061
35736	20	14.811	0.232	35808	31	17.670	1.500	35880	10	0.105	3.192	35952	10	2.928	4.907	36024	27	8.645	5.210
35737	23	14.860	0.586	35809	35	17.770	1.332	35881	10	0.320	3.186	35953	12	3.399	4.922	36025	20	8.752	5.602
35738	13	15.064	0.489	35810	10	18.058	1.236	35882	31	0.361	3.196	35954	12	3.678	4.618	36026	32	9.069	5.594
35739	12	15.186	0.508	35811	39	19.600	1.457	35883	12	0.535	3.770	35955	10	3.682	4.588	36027	18	9.115	5.304
35740	45	15.202	0.031	35812	33	20.382	1.626	35884	11	1.912	3.140	35956	13	4.724	4.841	36028	28	9.300	5.946
35741	26	15.629	0.900	35813	34	20.508	1.906	35885	10	1.965	3.433	35957	17	5.225	4.530	36029	36	9.359	5.866
35742	11	15.808	0.670	35814	21	21.186	1.666	35886	10	2.340	3.718	35958	23	5.546	4.210	36030	10	10.738	5.930
35743	14	15.953	0.208	35815*	40	21.204	1.832	35887	13	2.820	3.699	35959	17	6.185	4.392	36031	11	10.790	5.914
35744	41	17.199	0.464	35816	10	21.920	1.422	35888	35	3.536	3.955	35960	19	6.590	4.302	36032	10	11.401	5.250
35745	12	18.052	0.940	35817	40	22.330	1.478	35889	29	4.916	3.692	35961	12	6.677	4.590	36033	10	12.364	5.678
35746	16	18.369	0.823	35818	12	22.786	1.342	35890	19	5.124	3.820	35962	21	6.782	4.012	36034*	43	12.547	5.796
35747	25	18.728	0.834	35819	31	23.100	1.490	35891	14	5.168	3.528	35963	10	6.784	4.549	36035	12	12.586	5.760
35748	29	18.826	0.114	35820	13	1.285	2.298	35892	25	5.928	3.601	35964	25	7.100	4.072	36036	10	12.699	5.348
35749	15	19.656	0.472	35821	10	1.814	2.930	35893	23	6.086	3.658	35965	23	7.418	4.372	36037	18	13.010	5.115
35750	10	19.939	0.393	35822	29	2.061	2.798	35894	14	6.170	3.072	35966	12	7.674	4.724	36038*	38	13.135	5.800
35751	10	21.719	0.902	35823	15	2.278	2.213	35895	27	6.415	3.168	35967	21	7.720	4.970	36039*	37	13.374	5.371
35752	16	21.984	0.941	35824	13	2.328	2.645	35896	23	7.409	3.361	35968	10	8.062	4.990	36040	21	13.812	5.848
35753	11	22.804	0.868	35825	13	2.604	2.880	35897	10	7.595	3.780	35969	14	9.058	4.914	36041	10	14.216	5.666
35754	50	23.240	0.756	35826*	67	3.314	2.507	35898	18	8.580	3.180	35970	11	10.810	4.258	36042	26	15.514	5.593
35755	23	23.724	0.280	35827	24	3.662	2.818	35899	14	8.630	3.930	35971	10	10.952	4.995	36043	31	16.076	5.852
35756	18	24.264	0.744	35828	21	4.226	2.990	35900	34	8.924	3.470	35972	11	11.116	4.628	36044	24	16.616	5.650
35757	10	24.374	0.322	35829	13	4.368	2.727	35901	10	9.586	3.926	35973	26	11.190	4.192	36045*	55	16.936	5.415
35758	27	24.526	0.599	35830	23	4.480	2.344	35902	10	9.700	3.880	35974	12	12.361	4.892	36046	12	17.167	5.649
35759	31	25.184	0.553	35831	21	5.220	2.386	35903	13	10.114	3.139	35975	30	13.009	4.278	36047	10	18.185	5.139
35760	42	25.496	0.812	35832	25	5.294	2.865	35904	10	10.236	3.105	35976	15	14.324	4.805	36048*	38	18.242	5.097
35761	39	0.220	1.454	35833	26	5.331	2.017	35905	10	10.344	3.679	35977	30	14.665	4.937	36049	24	18.294	5.091
35762	15	1.996	1.900	35834	10	5.342	2.728	35906	12	10.688	3.687	35978	10	14.696	4.649	36050	13	18.646	5.298
35763	22	2.189	1.620	35835	19	5.490	2.442	35907	30	10.720	3.956	35979	15	14.747	4.156	36051	14	18.825	5.623
35764	11	3.024	1.852	35836	13	6.410	2.240	35908	17	10.800	3.830	35980	12	14.937	4.214	36052	17	18.841	5.290
35765	14	3.124	1.920	35837	10	6.506	2.600	35909	19	11.730	3.480	35981	33	16.356	4.538	36053	32	18.921	5.018
35766	22	3.316	1.426	35838*	41	6.536	2.751	35910	17	12.034	3.371	35982	10	16.693	4.717	36054	28	19.694	5.437
35767	16	3.666	1.466	35839	10	7.050	2.766	35911	10	12.192	3.310	35983	24	18.421	4.164	36055	33	20.355	5.502
35768	10	3.698	1.924	35840	11	7.150	2.878	35912	16	12.692	3.756	35984	10	18.473	4.768	36056	13	20.547	5.154
35769	25	4.636	1.999	35841	41	7.250	2.918	35913	11	12.825	3.118	35985	27	18.616	4.071	36057	11	21.000	5.111
35770	19	4.805	1.322	35842*	39	7.390	2.480	35914	11	13.674	3.148	35986	32	20.186	4.162	36058*	36	22.557	5.236
35771	14	5.830	1.022	35843	13	7.495	2.978	35915	10	14.300	3.970	35987	24	20.380	4.801	36059	20	22.850	5.889
35772	27	6.292	1.492	35844	22	7.626	2.868	35916	10	14.528	3.390	35988	33	21.198	4.800	36060*	45	22.904	5.955
35773	27	6.470	1.546	35845	39	7.652	2.446	35917	10	15.546	3.771	35989	17	21.552	4.120	36061	14	23.436	5.240
35774	16	6.662	1.088	35846	37	7.987	2.532	35918	27	15.616	3.169	35990	14	21.650	4.378	36062	11	24.003	5.776
35775	17	7.084	1.886	35847	11	7.989	2.074	35919	32	16.025	3.644	35991	10	22.291	4.083	36063	15	24.812	5.410
35776	16	7.482	1.551	35848	25	8.286	2.191	35920*	42	17.285	3.948	35992	24	22.860	4.360	36064	16	24.980	5.019
35777	10	7.543	1.346	35849	10	9.227	2.838	35921	10	17.680	3.856	35993	28	22.914	4.790	36065	13	0.068	6.658
35778	10	8.038	1.670	35850	17	9.270	2.730	35922	21	18.460	3.060	35994	10	23.902	4.737	36066	10	0.214	6.614
35779	20	8.296	1.130	35851	31	9.380	2.556	35923	33	19.384	3.914	35995	24	23.920	4.418	36067	19	0.340	6.357
35780	27	8.297	1.191	35852*	46	9.716	2.651	35924	27	20.004	3.354	35996	10	24.362	4.922	36068	11	1.160	6.352
35781	24	8.660	1.536	35853	27	10.788	2.869	35925	38	20.290	3.800	35997*	52	24.478	4.809	36069	18	1.270	6.854
35782	12	8.720	1.850	35854	10	11.194	2.378	35926	30	21.164	3.659	35998	29	25.648	4.084	36070	31	1.305	6.088
35783	35	9.066	1.640	35855	11	12.060	2.150	35927	10	21.430	3.200	35999	28	0.302	5.036	36071	23	1.948	6.534
35784	16	9.118	1.504	35856	34	12.279	2.002	35928	10	22.424	3.030	36000	25	0.444	5.738	36072	23	2.570	6.238
35785	10	9.718	1.712	35857	10	12.314	2.202	35929	10	22.542	3.586	36001	30	0.621	5.964	36073	19	2.912	6.670
35786	11	9.934	1.960	35858	10	13.280	2.102	35930	25	23.092	3.013	36002	13	0.870	5.850	36074	24	4.890	6.220
35787	24	10.250	1.948	35859	11	13.371	2.172	35931	10	23.178	3.520	36003	14	1.808	5.610	36075	21	5.500	6.305
35788	14	10.816	1.350	35860	19	13.650	2.530	35932	10										

36085	10	11.846	6.784	36157	35	9.838	7.602	36229	10	15.350	8.367	36301	15	18.472	9.441	36373	23	17.550	10.267
36086	12	11.885	6.774	36158	16	10.700	7.778	36230	10	15.714	8.626	36302	34	18.766	9.501	36374	10	17.918	10.680
36087	25	11.936	6.418	36159	10	12.040	7.796	36231	10	15.930	8.264	36303	46	18.786	9.812	36375	33	18.022	10.810
36088	10	12.802	6.882	36160	22	12.263	7.014	36232	10	16.588	8.564	36304	46	18.828	9.752	36376	28	18.090	10.436
36089	10	12.946	6.892	36161	13	12.950	7.436	36233	16	17.566	8.566	36305	31	18.906	9.438	36377	25	18.414	10.650
36090	32	13.322	6.179	36162	53	12.974	7.376	36234	15	18.124	8.880	36306	15	19.987	9.410	36378	41	19.163	10.715
36091	13	13.456	6.651	36163	30	13.493	7.050	36235	12	18.162	8.154	36307	13	20.027	9.280	36379	10	19.346	10.090
36092	13	14.474	6.627	36164	37	14.186	7.950	36236	10	18.560	8.892	36308	47	20.118	9.062	36380	10	20.269	10.076
36093	10	14.672	6.916	36165	13	14.244	7.978	36237	31	18.678	8.580	36309	17	20.571	9.015	36381	14	20.475	10.516
36094	17	14.797	6.505	36166	30	14.278	7.809	36238	29	18.776	8.852	36310	17	21.122	9.798	36382	10	20.794	10.014
36095	29	14.882	6.420	36167	38	14.384	7.432	36239	24	19.224	8.208	36311	10	21.662	9.615	36383	20	22.080	10.021
36096	29	15.152	6.418	36168	16	14.593	7.718	36240	10	19.231	8.460	36312	16	21.844	9.504	36384	16	22.269	10.925
36097	32	15.350	6.084	36169	16	14.872	7.842	36241	37	19.366	8.912	36313	25	21.988	9.748	36385	29	22.512	10.740
36098	35	15.437	6.183	36170	15	15.171	7.418	36242	17	20.100	8.316	36314	23	23.134	9.815	36386	10	22.834	10.988
36099	10	15.852	6.662	36171	31	15.488	7.620	36243	10	21.180	8.263	36315	11	24.122	9.302	36387	28	23.720	10.334
36100	41	17.328	6.200	36172	22	15.640	7.518	36244	10	21.250	8.360	36316	120	24.335	9.540	36388	22	23.922	10.826
36101	37	17.509	6.672	36173	14	16.510	7.111	36245	15	21.662	8.042	36317	10	24.844	9.072	36389	11	24.042	10.382
36102	13	17.790	6.010	36174	26	16.515	7.249	36246	30	22.550	8.430	36318	29	25.132	9.746	36390	15	24.256	10.346
36103	12	18.139	6.628	36175	15	17.699	7.106	36247	15	22.840	8.350	36319	10	25.208	9.269	36391	11	24.582	10.684
36104	10	18.340	6.842	36176	19	17.711	7.747	36248	10	22.919	8.224	36320	10	25.810	9.560	36392	14	24.884	10.051
36105	32	18.891	6.640	36177	10	17.746	7.471	36249	38	23.320	8.560	36321	11	0.052	10.590	36393	10	25.677	10.654
36106	12	22.246	6.358	36178	36	18.202	7.730	36250	41	23.434	8.494	36322	30	0.791	10.845	36394	10	25.834	10.314
36107	15	22.262	6.957	36179	25	18.500	7.574	36251	10	23.896	8.021	36323	31	1.289	10.840	36395	11	0.036	11.802
36108	10	22.694	6.059	36180	17	18.824	7.862	36252	21	24.837	8.473	36324	12	1.464	10.954	36396	10	0.041	11.020
36109	13	22.778	6.565	36181	43	19.256	7.195	36253	10	25.180	8.680	36325	11	1.519	10.242	36397	26	0.315	11.817
36110	38	23.038	6.284	36182	39	19.626	7.394	36254	28	25.395	8.862	36326	35	1.786	10.466	36398	27	0.559	11.016
36111	15	23.405	6.296	36183	13	19.670	7.663	36255	13	0.350	9.752	36327	10	1.836	10.730	36399	10	0.743	11.111
36112	25	23.478	6.377	36184	10	19.834	7.822	36256	10	0.463	9.412	36328	10	2.468	10.352	36400	10	0.890	11.891
36113	23	23.872	6.280	36185	12	19.862	7.222	36257	15	0.520	9.862	36329	10	2.590	10.780	36401	33	0.898	11.399
36114	44	24.598	6.730	36186	15	19.910	7.683	36258	14	0.641	9.162	36330	10	2.878	10.040	36402	17	0.950	11.020
36115	13	24.700	6.073	36187	12	20.625	7.723	36259	10	0.680	9.444	36331	35	3.102	10.390	36403	12	1.028	11.244
36116	10	24.778	6.708	36188	15	21.560	7.049	36260	20	1.338	9.440	36332	12	3.418	10.616	36404	26	1.056	11.906
36117	18	25.002	6.240	36189	25	23.490	7.600	36261	16	1.415	9.020	36333	11	3.724	10.388	36405	10	1.168	11.709
36118	13	25.007	6.370	36190	11	23.740	7.936	36262	10	1.634	9.534	36334	31	4.173	10.466	36406	41	1.178	11.149
36119	29	25.408	6.022	36191	30	25.678	7.512	36263	11	1.730	9.190	36335	10	4.320	10.450	36407	15	2.190	11.258
36120	10	25.545	6.052	36192	26	25.874	7.114	36264	16	1.817	9.104	36336	12	4.362	10.678	36408	10	2.763	11.244
36121	33	25.850	6.567	36193	16	0.020	8.435	36265	11	2.351	9.359	36337	31	4.462	10.256	36409	10	2.795	11.823
36122	14	25.960	6.332	36194	36	0.075	8.142	36266	22	2.670	9.530	36338	19	4.752	10.031	36410	15	3.154	11.732
36123	37	0.304	7.193	36195	10	0.147	8.512	36267	12	2.744	9.228	36339	20	5.656	10.598	36411	35	3.290	11.738
36124	10	0.942	7.569	36196	10	1.769	8.152	36268	17	2.920	9.789	36340	10	6.018	10.339	36412	18	3.535	11.266
36125	10	1.245	7.236	36197	27	2.048	8.136	36269	17	2.996	9.680	36341	11	6.297	10.157	36413	10	3.750	11.922
36126	11	1.445	7.626	36198	100	2.194	8.124	36270	15	3.748	9.170	36342	10	6.691	10.650	36414	11	3.970	11.788
36127	12	1.635	7.644	36199	43	3.730	8.206	36271	12	3.855	9.708	36343	14	6.892	10.018	36415	10	4.447	11.328
36128	47	2.121	7.897	36200	38	3.861	8.580	36272	10	4.124	9.300	36344	25	7.014	10.555	36416	10	5.076	11.830
36129	14	2.230	7.671	36201	10	4.850	8.144	36273	13	4.792	9.502	36345	43	7.655	10.000	36417	10	5.338	11.414
36130	17	2.550	7.606	36202	26	5.734	8.162	36274	15	4.800	9.586	36346	10	7.959	10.434	36418	10	5.427	11.280
36131	35	3.202	7.684	36203	10	5.874	8.072	36275	10	5.168	9.616	36347	28	8.413	10.684	36419	24	5.794	11.247
36132	18	3.327	7.190	36204	39	5.956	8.886	36276	33	5.458	9.623	36348	37	8.950	10.750	36420	10	6.669	11.978
36133	29	3.936	7.360	36205	33	5.978	8.872	36277	10	5.750	9.101	36349	30	9.189	10.579	36421	28	8.326	11.212
36134	10	4.070	7.348	36206	14	6.036	8.196	36278	10	6.964	9.490	36350	34	9.428	10.784	36422	16	8.898	11.890
36135	28	4.094	7.766	36207	10	6.160	8.441	36279	11	7.096	9.475	36351	12	9.708	10.281	36423	19	9.180	11.862
36136	10	4.770	7.970	36208	32	6.499	8.638	36280	14	7.097	9.688	36352	36	10.087	10.300	36424	10	9.412	11.916
36137	13	5.000	7.542	36209	12	7.118	8.770	36281	28	7.252	9.556	36353	16	10.204	10.898	36425	10	9.860	11.893
36138	10	5.115	7.682	36210	16	7.918	8.472	36282	29	7.492	9.029	36354	14	10.207	10.890	36426	19	10.086	11.774
36139	12	5.164	7.316	36211	13	8.117	8.949	36283	15	8.236	9.140	36355	12	10.960	10.301	36427	16	10.259	11.178
36140	24	5.174	7.988	36212	33	8.911	8.340	36284	12	8.262	9.524	36356	11	11.246	10.308	36428	23	10.394	11.502
36141	18	5.189	7.780	36213	29	9.265	8.898	36285	31	8.750	9.688	36357	10	11.887	10.266	36429	18	10.756	11.706
36142	10	5.540	7.820	36214	27	9.649	8.703	36286	13	9.750	9.740	36358	14	12.248	10.480	36430	10	11.512	11.184
36143	10	5.659	7.356	36215	11	10.315	8.175	36287	10	10.468	9.408	36359	10	13.024	10.516	36431	38	13.023	11.260
36144	14	5.905	7.534	36216	17	10.434	8.244	36288	14	10.470	9.500	36360	15	13.188	10.054	36432	16	13.450	11.200
36145	13	5.936	7.162	36217	10	10.965	8.820	36289	13	11.109	9.182	36361	10	13.666	10.071	36433	18	13.724	11.710
36146	13	6.329	7.768	36218	40	10.980	8.585	36290	20	11.608	9.042	36362	13	13.990	10.500	36434	28	14.034	11.830
36147	13	6.406	7.098	36219	20	11.888	8.712	36291	10	13.678	9.228	36363	32	14.144	10.999	36435	32	14.53	

36445	19	18-082	11-314	36517	13	23-167	12-150	36589*	60	1-310	14-486	36661	29	0-974	15-761	36733	43	0-270	16-179
36446	16	17-197	11-610	36518	22	23-334	12-242	36590	15	1-706	14-176	36662	24	1-036	15-944	36734	10	0-363	16-718
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36448*	91	19-980	11-718	36520*	36	23-450	12-819	36592	10	2-374	14-150	36664	12	2-055	15-774	36736	10	1-102	16-822
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36455*	42	23-314	11-216	36527	14	25-614	12-970	36599	31	4-156	14-494	36671	34	3-664	15-118	36743	15	3-686	16-514
36456	38	23-416	11-762	36528	14	25-900	12-714	36600	22	4-338	14-418	36672	21	4-460	15-212	36744	30	4-164	16-979
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36475*	40	5-264	12-814	36547	22	6-396	13-263	36619	29	10-714	14-383	36691	33	9-409	15-366	36763	36	11-746	16-000
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37175	32	3.867	22.626	37247*	41	1.810	23.894	37319	11	23.021	23.200	37391	10	18.890	24.170	37463	10	19.916	25.928
37176	10	4.050	22.734	37248	10	2.130	23.752	37320	36	23.060	23.825	37392	14	18.914	24.299	37464	11	20.026	25.186
37177	36	4.482	22.965	37249	36	2.286	23.234	37321	10	23.292	23.808	37393	12	19.044	24.522	37465	37	20.073	25.634
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37179	12	6.346	22.600	37251*	53	2.728	23.955	37323	10	23.610	23.474	37395	12	20.306	24.850	37467	20	20.575	25.246
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37181	18	6.560	22.040	37253	10	3.124	23.647	37325	47	24.890	23.771	37397	15	21.322	24.366	37469	34	20.788	25.137
37182	12	6.672	22.200	37254	10	3.382	23.690	37326	10	24.948	23.210	37398	28	22.320	24.900	37470	31	20.880	25.064
37183	10	7.480	22.309	37255	35	3.722	23.415	37327	10	25.052	23.426	37399	10	22.706	24.640	37471	46	21.702	25.501
37184	15	8.522	22.591	37256	41	4.367	23.015	37328	27	25.176	23.678	37400	10	22.724	24.102	37472	11	22.326	25.185
37185	11	8.770	22.942	37257	11	4.446	23.278	37329	10	0.071	24.061	37401	10	22.752	24.518	37473	28	23.156	25.318
37186	11	8.922	22.124	37258	19	4.632	23.064	37330	11	0.388	24.586	37402	12	22.849	24.460	37474	10	23.269	25.572
37187	33	9.087	22.323	37259	10	4.781	23.508	37331	22	0.666	24.131	37403	17	23.040	24.259	37475	32	23.364	25.990
37188	20	9.606	22.686	37260	21	5.145	23.672	37332	38	1.086	24.334	37404	10	23.424	24.000	37476	11	24.300	25.654
37189	32	9.930	22.092	37261	18	5.145	23.357	37333	44	1.094	24.349	37405	15	23.549	24.919	37477	12	24.434	25.156
37190	29	10.044	22.560	37262	11	5.382	23.318	37334*	42	1.709	24.970	37406	22	23.560	24.985				
37191	10	10.301	22.402	37263	14	5.754	23.571	37335	12	1.726	24.714	37407	17	23.900	24.256				
37192	39	10.452	22.715	37264	22	6.475	23.522	37336	31	1.895	24.319	37408	14	23.924	24.030				
37193*	42	10.854	22.151	37265	19	6.655	23.201	37337	17	1.966	24.402	37409	25	24.228	24.192				
37194	27	11.666	22.730	37266	23	6.725	23.278	37338	28	2.322	24.702	37410	29	24.615	24.730				
37195	16	12.222	22.582	37267	14	6.916	23.841	37339	25	3.730	24.998	37411	20	24.715	24.620				
37196	12	12.454	22.400	37268	25	7.918	23.640	37340	12	4.546	24.266	37412	23	0.020	25.776				
37197	10	12.470	22.690	37269	12	7.922	23.863	37341	10	4.722	24.884	37413	18	0.560	25.495				
37198	10	12.660	22.940	37270	10	8.214	23.890	37342	33	4.788	24.874	37414	39	0.836	25.247				
37199	18	12.802	22.672	37271	14	8.363	23.329	37343	10	4.866	24.102	37415	14	1.412	25.365				
37200	22	12.808	22.268	37272	23	8.580	23.449	37344	12	5.646	24.551	37416	13	1.451	25.743				
37201	30	12.894	22.996	37273	32	8.735	23.596	37345	11	5.688	24.895	37417	25	1.847	25.310				
37202	22	13.000	22.403	37274	10	8.848	23.320	37346	11	5.934	24.446	37418	10	2.084	25.940				
37203	22	13.316	22.868	37275	12	9.082	23.049	37347	33	6.352	24.218	37419	54	2.206	25.930				
37204*	42	13.336	22.244	37276	25	9.140	23.096	37348	15	6.491	24.012	37420	10	3.640	25.884				
37205	10	13.934	22.680	37277	15	9.382	23.288	37349	12	6.734	24.293	37421	25	3.896	25.809				
37206	10	14.490	22.504	37278	12	9.432	23.480	37350	20	6.838	24.691	37422	28	3.984	25.674				
37207	10	14.609	22.825	37279	26	10.050	23.534	37351	19	7.013	24.314	37423	27	4.853	25.833				
37208	32	14.774	22.974	37280	27	10.486	23.730	37352	11	7.743	24.882	37424	28	5.230	25.908				
37209	27	14.912	22.842	37281*	44	11.050	23.847	37353	10	7.754	24.164	37425	26	5.325	25.078				
37210	10	15.674	22.744	37282	25	11.334	23.386	37354	11	8.224	24.040	37426	32	6.136	25.940				
37211	18	15.904	22.575	37283	22	11.548	23.092	37355	10	8.243	24.922	37427	22	6.315	25.534				
37212	10	17.468	22.404	37284	28	11.608	23.080	37356	23	8.279	24.561	37428	11	6.466	25.047				
37213	10	17.620	22.892	37285	25	11.991	23.420	37357	17	8.870	24.843	37429	17	7.065	25.482				
37214	10	18.654	22.410	37286	23	12.094	23.920	37358	10	8.906	24.862	37430*	29	7.180	25.020				
37215	36	18.734	22.174	37287	26	12.441	23.610	37359	32	8.934	24.200	37431	23	7.430	25.466				
37216*	37	19.005	22.620	37288	19	12.485	23.500	37360	10	9.589	24.430	37432	15	8.516	25.232				
37217	10	19.139	22.662	37289	11	12.724	23.139	37361	10	9.634	24.498	37433	14	8.572	25.225				
37218	16	19.169	22.632	37290	25	12.919	23.898	37362	18	9.774	24.812	37434	10	8.584	25.426				
37219	10	19.395	22.270	37291	12	12.940	23.494	37363	23	9.774	24.858	37435*	43	8.958	25.444				
37220	10	19.439	22.358	37292	12	13.002	23.066	37364	30	10.880	24.490	37436	10	9.318	25.556				
37221	28	19.610	22.382	37293	10	13.024	23.142	37365	17	11.406	24.729	37437	10	9.430	25.768				
37222	25	19.616	22.758	37294	14	14.067	23.871	37366	11	11.822	24.531	37438	48	9.827	25.701				
37223	34	19.766	22.628	37295	10	14.428	23.284	37367	16	12.218	24.720	37439	12	10.388	25.546				
37224	12	19.782	22.860	37296	11	14.539	23.542	37368*	38	12.390	24.186	37440	10	11.849	25.800				
37225	33	20.350	22.004	37297	20	14.734	23.328	37369	35	12.800	24.724	37441	38	11.872	25.739				
37226	27	20.445	22.890	37298	28	14.905	23.974	37370	13	13.525	24.160	37442	21	12.734	25.742				
37227	10	20.549	22.740	37299	40	14.920	23.615	37371	13	13.690	24.956	37443	13	13.036	25.921				
37228	24	20.692	22.794	37300	10	15.249	23.558	37372	10	13.825	24.538	37444	10	13.218	25.536				
37229*	45	21.205	22.610	37301	11	15.760	23.600	37373	10	14.240	24.651	37445	16	13.464	25.268				
37230	16	21.290	22.942	37302	25	15.905	23.060	37374	10	14.377	24.232	37446	21	13.839	25.224				
37231	10	21.398	22.660	37303	16	16.052	23.922	37375	33										

37524	18	7.736	0.150	37596	31	19.151	1.034	37668	18	24.744	2.718	37740	26	4.235	4.130	37812	11	10.760	5.11
37525	9	8.166	0.650	37597	10	19.210	1.224	37669	28	24.790	2.711	37741	14	4.666	4.056	37813	10	10.770	5.01
37526	15	8.926	0.290	37598	36	19.226	1.510	37670	28	25.084	2.600	37742	13	4.864	4.288	37814	22	11.126	5.61
37527	22	9.378	0.145	37599	32	19.321	1.046	37671	10	25.770	2.530	37743	18	5.210	4.000	37815	23	11.300	5.31
37528	9	9.911	0.216	37600	25	20.531	1.586	37672	12	0.012	3.280	37744	11	5.318	4.084	37816	10	11.871	5.01
37529	9	10.145	0.640	37601*	48	20.620	1.252	37673	13	1.004	3.098	37745	10	5.706	4.994	37817	16	12.530	5.81
37530	25	10.436	0.164	37602	15	20.849	1.681	37674	28	1.674	3.076	37746	16	5.952	4.020	37818	15	12.602	5.21
37531	18	10.988	0.310	37603	30	20.930	1.070	37675	12	1.762	3.584	37747	11	5.975	4.730	37819	14	12.658	5.31
37532	11	11.419	0.804	37604	10	23.980	1.416	37676	10	1.794	3.638	37748	12	5.978	4.740	37820	29	12.814	5.61
37533	18	12.130	0.862	37605	23	24.116	1.216	37677	13	1.840	3.076	37749	12	6.438	4.777	37821	12	13.016	5.21
37534	24	12.516	0.706	37606	10	24.911	1.111	37678	17	2.154	3.619	37750	40	6.442	4.323	37822	12	13.098	5.37
37535	44	12.721	0.520	37607	10	25.352	1.284	37679	46	3.193	3.187	37751	25	6.616	4.460	37823	21	13.558	5.87
37536	21	13.034	0.780	37608	11	0.189	2.670	37680*	44	3.800	3.324	37752	12	7.000	4.204	37824	29	13.900	5.48
37537	31	13.226	0.274	37609	29	0.257	2.481	37681	17	3.888	3.906	37753	28	7.188	4.728	37825	31	14.308	5.46
37538	11	13.966	0.140	37610	38	0.770	2.976	37682	27	3.995	3.990	37754	10	7.194	4.134	37826	13	16.225	5.21
37539	28	14.080	0.140	37611	15	2.862	2.823	37683	9	4.207	3.988	37755	12	7.734	4.982	37827	11	16.440	5.75
37540	12	14.514	0.308	37612	24	2.921	2.656	37684	36	5.946	3.384	37756	15	7.958	4.114	37828	17	17.069	5.02
37541	50	14.600	0.994	37613	10	3.090	2.132	37685	14	6.035	3.485	37757	12	8.500	4.358	37829	13	17.288	5.07
37542	38	15.125	0.736	37614	10	3.140	2.126	37686	21	6.050	3.890	37758	17	8.655	4.020	37830	11	17.421	5.68
37543	57	15.267	0.711	37615	10	3.162	2.781	37687	35	6.300	3.735	37759	23	9.151	4.860	37831	11	17.442	5.65
37544	17	15.646	0.768	37616	18	4.788	2.962	37688	10	6.365	3.508	37760	10	9.524	4.870	37832	9	17.462	5.22
37545	14	15.654	0.700	37617*	40	4.929	2.500	37689	13	6.550	3.386	37761	19	9.700	4.527	37833	12	17.560	5.38
37546	10	15.714	0.754	37618	12	5.227	2.796	37690	11	6.960	3.800	37762	13	10.050	4.620	37834	9	17.644	5.96
37547	23	16.191	0.080	37619	13	5.552	2.558	37691	10	7.496	3.608	37763	27	10.282	4.084	37835	10	18.542	5.43
37548	33	16.887	0.714	37620	15	5.700	2.956	37692	9	7.772	3.410	37764	31	10.784	4.512	37836	35	18.797	5.57
37549	15	17.224	0.618	37621	15	5.760	2.577	37693	10	8.014	3.326	37765	25	11.442	4.682	37837	30	19.336	5.45
37550	16	17.958	0.721	37622	9	5.799	2.098	37694	10	8.116	3.368	37766	12	12.188	4.388	37838	13	22.074	5.08
37551	14	18.622	0.657	37623	13	5.964	2.333	37695	13	8.840	3.565	37767	28	12.414	4.950	37839	11	22.183	5.75
37552	22	18.676	0.970	37624	17	6.184	2.724	37696	9	9.126	3.248	37768	18	12.512	4.896	37840	13	22.535	5.76
37553	11	18.790	0.124	37625	9	6.280	2.789	37697	21	9.613	3.590	37769	10	12.590	4.340	37841	34	23.350	5.05
37554	20	19.030	0.001	37626	22	6.750	2.754	37698	29	9.994	3.275	37770	26	12.920	4.528	37842	12	24.232	5.05
37555	16	19.214	0.990	37627	11	6.824	2.278	37699	22	10.240	3.792	37771	45	13.197	4.588	37843	14	25.499	5.86
37556	15	19.330	0.160	37628	15	6.860	2.010	37700	16	10.378	3.140	37772	12	13.293	4.231	37844	15	25.666	5.57
37557	10	19.864	0.046	37629*	39	7.693	2.176	37701	29	10.820	3.482	37773	35	13.494	4.145	37845	13	0.852	6.42
37558	34	20.147	0.046	37630	17	8.275	2.915	37702	14	11.150	3.900	37774	10	13.532	4.543	37846	9	1.300	6.12
37559	9	21.490	0.410	37631	10	8.541	2.358	37703	22	12.070	3.374	37775	15	14.397	4.070	37847	13	1.387	6.63
37560	12	22.518	0.500	37632	33	8.640	2.490	37704	15	12.804	3.426	37776	10	15.148	4.580	37848*	52	1.502	6.02
37561	12	22.806	0.338	37633	22	8.786	2.684	37705	18	12.905	3.196	37777	13	16.620	4.909	37849	43	1.640	6.35
37562	12	23.386	0.960	37634	14	8.847	2.814	37706	11	13.178	3.222	37778	9	16.844	4.780	37850	15	2.010	6.35
37563	41	23.514	0.494	37635	17	8.950	2.292	37707	13	13.880	3.008	37779	34	17.890	4.790	37851	10	2.024	6.35
37564	14	0.550	1.015	37636	36	9.160	2.900	37708	16	15.128	3.036	37780	14	18.126	4.452	37852	27	2.085	6.45
37565	43	0.900	1.548	37637	11	9.300	2.468	37709	17	15.224	3.150	37781	11	18.432	4.127	37853	25	2.478	6.35
37566	13	1.356	1.410	37638	25	9.400	2.792	37710	29	15.962	3.428	37782	29	18.580	4.963	37854*	49	3.204	6.78
37567	33	1.669	1.554	37639	15	9.769	2.648	37711	30	16.448	3.742	37783	13	19.696	4.125	37855	16	3.304	6.12
37568	36	6.298	1.341	37640	14	10.146	2.134	37712	15	16.676	3.460	37784	32	20.422	4.885	37856	13	3.388	6.76
37569	10	6.500	1.244	37641	9	10.264	2.288	37713	17	16.690	3.820	37785	15	20.908	4.760	37857	19	3.608	6.25
37570	10	6.646	1.457	37642	15	10.668	2.269	37714	12	17.382	3.100	37786	28	21.933	4.197	37858	17	3.612	6.45
37571	23	6.750	1.158	37643	26	10.824	2.406	37715	26	17.450	3.837	37787	34	23.845	4.407	37859	28	4.010	6.07
37572	49	8.091	1.638	37644	10	10.965	2.987	37716	27	17.927	3.158	37788	17	24.386	4.057	37860	9	4.151	6.11
37573	14	8.372	1.465	37645	13	11.068	2.300	37717	18	17.970	3.072	37789	13	25.780	4.812	37861	33	4.458	6.61
37574	34	8.558	1.816	37646	12	11.565	2.478	37718	10	18.752	3.138	37790	10	0.764	5.610	37862	12	4.568	6.37
37575	32	8.702	1.008	37647	11	11.896	2.506	37719	13	18.956	3.340	37791	37	1.151	5.304	37863	23	5.420	6.65
37576	10	8.790	1.665	37648	10	12.150	2.507	37720	11	20.520	3.174	37792	19	1.454	5.955	37864	9	7.574	6.17
37577	24	8.900	1.916	37649	15	12.320	2.261	37721	27	21.217	3.218	37793	15	2.035	5.300	37865*	43	7.721	6.12
37578	26	9.364	1.658	37650	28	12.674	2.490	37722	26	22.348	3.340	37794	11	2.534	5.345	37866	11	9.424	6.05
37579	10	10.524	1.627	37651	16	12.718	2.597	37723	10	22.960	3.500	37795	13	2.608	5.835	37867	9	9.642	6.31
37580	14	11.750	1.004	37652	26	13.401	2.058	37724	17	24.418	3.900	37796	21	3.410	5.459	37868	16	10.018	6.41
37581	14	11.763	1.615	37653	14	14.372	2.200	37725	20	25.123	3.088	37797	10	3.500	5.354	37869	34	10.900	6.85
37582	8	12.714	1.242	37654	26	14.570	2.964	37726	13	25.209	3.836	37798	20	3.575	5.070	37870	31	11.472	6.48
37583	16	12.788	1.920	37655	22	15.300	2.487	37727	18	25.602	3.656	37799	12	5.856	5.859	37871	10	11.746	6.67
37584	14	13.622	1.476	37656*	68	15.570	2.270	37728	14	25.968	3.820	37800*	36	5.885	5.344	37872	18	12.170	6.86
37585	10	13.722	1.430	37657	14	16.138	2.402	37729	16	0.142	4.198	37801	15	6.390	5.204	37873	10	13.678	6.17
37586	15	13.900	1.823	37658	34	17.919	2.144	37730	13	0.240	4.450	37802	16	6.632	5.098	37874*	57	14.124	6.55
37587	17	14.611	1.576	37659	20	18.605	2.340	37731	10	0.866	4.414	37803	9	6.780	5.978	37875	20		

37884	14	19-885	6-958	37956	14	24-110	7-288	38028	15	5-700	9-221	38100	15	11-556	10-892	38172	31	15-488	11-984
37885	21	20-022	6-198	37957	15	24-328	7-921	38029*	62	5-892	9-435	38101	10	11-629	10-961	38173	14	16-722	11-014
37886	20	21-038	6-880	37958	12	24-438	7-972	38030	13	6-008	9-726	38102	24	11-790	10-305	38174	14	18-635	11-481
37887	14	21-038	6-832	37959	11	25-428	7-598	38031	30	6-016	9-822	38103	8	11-980	10-980	38175	10	19-106	11-050
37888	9	21-670	6-665	37960	17	0-280	8-116	38032	10	6-021	9-658	38104	10	12-310	10-570	38176	34	19-122	11-650
37889	35	21-900	6-424	37961	29	1-170	8-500	38033	30	6-588	9-784	38105	10	12-368	10-842	38177	10	19-208	11-677
37890	28	22-240	6-834	37962	15	1-460	8-415	38034	10	6-642	9-000	38106	10	13-376	10-550	38178	16	19-975	11-736
37891	12	22-323	6-914	37963	9	1-540	8-290	38035	11	6-965	9-542	38107	10	14-756	10-802	38179	9	20-026	11-536
37892	10	24-316	6-814	37964	37	1-940	8-622	38036	10	7-334	9-186	38108	10	14-952	10-494	38180	9	20-774	11-757
37893	15	24-434	6-662	37965*	41	2-052	8-556	38037	10	7-340	9-110	38109	11	15-576	10-310	38181	30	21-555	11-874
37894	31	25-288	6-868	37966	10	2-514	8-082	38038	33	7-459	9-606	38110	11	15-634	10-000	38182	10	22-296	11-850
37895	10	25-398	6-732	37967	10	2-779	8-392	38039	10	7-663	9-032	38111*	51	16-148	10-990	38183	9	23-240	11-079
37896	11	25-534	6-555	37968	15	3-457	8-526	38040	39	8-388	9-991	38112	10	16-236	10-056	38184	14	23-428	11-237
37897	14	0-170	7-124	37969	10	3-802	8-730	38041	10	8-750	9-542	38113*	49	17-268	10-132	38185	23	23-549	11-216
37898	13	0-873	7-028	37970	25	4-018	8-910	38042	33	10-699	9-894	38114	11	17-452	10-700	38186	28	23-596	11-639
37899	28	2-105	7-664	37971	10	4-081	8-872	38043	11	10-794	9-712	38115	10	18-130	10-084	38187	24	23-700	11-035
37900	14	2-356	7-994	37972	10	4-388	8-109	38044	15	11-130	9-900	38116	30	18-230	10-794	38188	9	23-828	11-200
37901	30	4-291	7-560	37973	15	5-005	8-754	38045*	37	11-165	9-152	38117	10	18-473	10-760	38189	29	23-852	11-807
37902	28	4-486	7-160	37974*	53	5-290	8-824	38046	9	11-326	9-036	38118	17	19-201	10-185	38190	10	23-901	11-999
37903	11	4-979	7-786	37975	11	6-029	8-181	38047	11	11-942	9-867	38119	14	19-218	10-935	38191	27	23-930	11-629
37904	13	5-360	7-262	37976	16	6-100	8-136	38048	10	12-076	9-409	38120	9	19-830	10-165	38192	10	24-594	11-817
37905	15	5-785	7-056	37977	16	6-277	8-201	38049	11	13-710	9-830	38121	11	20-122	10-254	38193	12	25-301	11-370
37906	12	6-620	7-336	37978	22	6-530	8-358	38050	10	14-868	9-850	38122	14	20-398	10-244	38194	13	25-320	11-528
37907*	39	6-628	7-976	37979	10	7-115	8-558	38051	10	15-023	9-046	38123	29	21-036	10-450	38195	10	25-336	11-960
37908	13	6-654	7-876	37980	12	7-912	8-250	38052	14	15-234	9-986	38124	25	21-450	10-167	38196	10	25-460	11-996
37909	13	8-350	7-081	37981	21	7-937	8-435	38053	12	15-294	9-800	38125	14	22-000	10-875	38197	15	25-852	11-775
37910	35	8-775	7-082	37982	27	8-592	8-270	38054	12	15-779	9-135	38126	12	23-079	10-744	38198	14	25-918	11-369
37911	12	9-080	7-319	37983	14	9-720	8-540	38055	28	16-716	9-702	38127	11	23-874	10-000	38199	27	0-785	12-421
37912	15	9-167	7-280	37984	10	10-892	8-096	38056	20	17-043	9-800	38128	12	23-940	10-424	38200	36	0-962	12-296
37913	34	9-424	7-934	37985	20	12-640	8-230	38057	9	17-133	9-270	38129	14	24-294	10-076	38201	10	1-206	12-480
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37915	26	10-180	7-552	37987	10	13-352	8-838	38059	8	18-558	9-398	38131	11	25-340	10-735	38203	18	1-794	12-400
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38625	12	13.562	18.902	38697	15	19.030	19.636	38769	14	20.334	20.966	38841	9	21.048	21.465	38913	16	20.349	22.708
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38629	35	14.871	18.093	38701	10	19.504	19.241	38773	8	22.084	20.302	38845	16	22.200	21.152	38917	15	23.100	22.576
38630	24	15.028	18.766	38702	13	21.150	19.331	38774	33	23.068	20.990	38846	13	22.232	21.207	38918	23	23.446	22.854
38631	18	15.194	18.776	38703	13	21.870	19.330	38775	32	23.076	20.832	38847	27	22.331	21.810	38919	16	23.935	22.396
38632	31	15.617	18.998	38704	27	22.318	19.582	38776	26	23.395	20.836	38848	18	22.370	21.832	38920	10	23.948	22.198
38633*	41	15.840	18.076	38705	11	22.349	19.390	38777*	47	23.691	20.678	38849	12	22.880	21.586	38921	10	24.373	22.255
38634	12	16.734	18.376	38706	11	22.577	19.412	38778	14	23.890	20.603	38850	20	22.916	21.535	38922	36	24.925	22.057
38635	11	16.940	18.306	38707	11	22.612	19.230	38779	30	23.973	20.250	38851	13	23.104	21.944	38923	13	25.166	22.816
38636*	90	18.808	18.359	38708	8	23.139	19.413	38780	34	23.990	20.971	38852	31	23.192	21.259	38924	24	25.673	22.470
38637	10	19.488	18.464	38709	11	23.300	19.200	38781	29	24.068	20.119	38853*	35	23.469	21.463	38925	12	0.020	23.016
38638	23	19.523	18.850	38710	26	23.675	19.580	38782*	35	24.712	20.159	38854	12	23.562	21.628	38926	10	0.194	23.680
38639	19	19.810	18.572	38711	10	23.974	19.350	38783	28	0.050	21.296	38855	10	24.270	21.122	38927	29	0.618	23.910
38640	10	19.843	18.064	38712	14	24.350	19.858	38784	31	0.061	21.871	38856	14	24.450	21.225	38928	36	0.698	23.223
38641	26	19.979	18.500	38713	33	24.866	19.049	38785	33	0.276	21.870	38857	14	24.976	21.292	38929	10	1.200	23.276
38642	16	19.990	18.784	38714	10	24.969	19.374	38786	17	0.907	21.700	38858	18	25.360	21.270	38930	10	1.754	23.265
38643	15	20.651	18.088	38715	30	25.187	19.640	38787	22	1.605	21.550	38859	10	25.498	21.534	38931	34	1.795	23.889
38644	9	20.730	18.304	38716	13	25.460	19.669	38788	14	3.230	21.280	38860	12	25.594	21.309	38932	10	2.029	23.872
38645	9	21.106	18.621	38717	10	25.580	19.733	38789	13	3.622	21.230	38861	10	0.126	22.736	38933	18	2.316	23.028
38646	26	21.457	18.740	38718	28	25.592	19.286	38790	10	4.060	21.742	38862	23	0.242	22.225	38934	10	2.344	23.536
38647	21	22.910	18.920	38719	11	25.921	19.374	38791	9	4.121	21.440	38863	13	0.428	22.560	38935	31	2.486	23.760
38648	9	23.235	18.128	38720	9	25.986	19.573	38792	32	4.266	21.623	38864	9	0.525	22.656	38936	9	3.340	23.816
38649	9	23.539	18.769	38721	24	0.306	20.890	38793	30	4.830	21.084	38865	19	1.085	22.034	38937	10	3.444	23.306
38650	9	23.706	18.790	38722	17	0.599	20.826	38794	25	5.134	21.892	38866	18	1.730	22.546	38938*	57	3.619	23.822
38651	9	23.775	18.972	38723	25	1.432	20.861	38795	29	5.180	21.740	38867	15	1.768	22.535	38939	10	3.678	23.260
38652	20	25.035	18.084	38724	20	1.471	20.630	38796	38	5.255	21.108	38868	14	1.914	22.844	38940	10	3.784	23.476
38653	10	0.222	19.716	38725	12	1.581	20.948	38797	21	5.309	21.012	38869	10	2.277	22.109	38941	29	3.910	23.726
38654	9	0.243	19.625	38726	27	2.420	20.760	38798	28	5.599	21.110	38870	10	3.066	22.704	38942	10	4.560	23.499
38655	10	1.056	19.610	38727	10	2.942	20.126	38799	9	5.824	21.706	38871	9	3.485	22.940	38943	20	6.408	23.159
38656	40	1.064	19.036	38728	14	2.952	20.720	38800	12	6.294	21.626	38872	12	3.506	22.950	38944*	44	6.848	23.878
38657	10	1.130	19.414	38729	21	3.104	20.372	38801	13	6.528	21.079	38873	13	3.684	22.066	38945	10	7.610	23.734
38658	10	1.266	19.760	38730*	47	3.454	20.479	38802	10	6.650	21.259	38874	12	4.070	22.124	38946	11	8.140	23.300
38659	12	1.340	19.643	38731	11	3.494	20.974	38803	33	6.790	21.454	38875	29	4.385	22.614	38947	25	8.408	23.600
38660	12	1.520	19.375	38732	24	3.514	20.898	38804	33	7.339	21.888	38876	25	4.652	22.462	38948	10	8.854	23.054
38661	29	1.520	19.359	38733	24	3.651	20.840	38805	10	7.582	21.476	38877	14	5.080	22.168	38949	11	8.967	23.566
38662	26	2.090	19.736	38734	12	4.217	20.208	38806	19	7.740	21.084	38878	40	5.846	22.869	38950	12	9.204	23.250
38663	33	2.306	19.940	38735	14	4.298	20.735	38807	14	7.850	21.530	38879	13	5.860	22.736	38951	10	9.520	23.566
38664	10	3.018	19.524	38736	38	5.140	20.538	38808	31	7.855	21.099	38880	10	5.890	22.477	38952	24	9.640	23.338
38665	32	4.450	19.432	38737	10	5.232	20.704	38809	11	8.121	21.126	38881	22	6.040	22.292	38953	13	1	

38964	18	16.458	23.148	39036	31	16.804	24.890	39108	30	21.509	25.546	39191	20	22.340	0.852	39263	25	9.118	2.782
38965	19	17.358	23.582	39037	10	16.855	24.827	39109	28	21.558	25.985	39192	13	25.016	0.016	39264	10	9.834	2.786
38966	10	17.453	23.646	39038	24	17.400	24.856	39110	33	22.312	25.540	39193	12	1.736	1.348	39265	15	11.238	2.469
38967	10	17.706	23.318	39039	30	17.581	24.670	39111	10	22.676	25.180	39194	22	1.864	1.145	39266	16	13.402	2.990
38968	10	17.716	23.730	39040	18	17.923	24.455	39112	34	23.344	25.224	39195	10	2.660	1.025	39267	11	13.450	2.198
38969	30	17.988	23.082	39041	17	18.096	24.073	39113	21	23.718	25.319	39196	11	2.822	1.785	39268	25	13.958	2.146
38970	10	18.370	23.764	39042	11	19.356	24.954	39114	31	24.990	25.514	39197	11	3.106	1.192	39269	12	14.246	2.550
38971	26	18.840	23.418	39043	18	19.370	24.658	39115	10	25.020	25.231	39198	36	4.164	1.046	39270	18	14.856	2.371
38972	17	19.120	23.400	39044	9	20.228	24.360					39199*	39	4.226	1.834	39271	16	15.628	2.689
38973	16	19.370	23.050	39045	9	20.612	24.700					39200	12	4.676	1.826	39272	14	15.714	2.076
38974	9	20.040	23.180	39046	27	20.794	24.741					39201	20	4.719	1.933	39273	9	16.198	2.530
38975*	46	20.314	23.124	39047	15	21.110	24.295					39202	13	5.418	1.322	39274	25	16.206	2.468
38976	28	20.356	23.164	39048	10	21.148	24.720					39203	13	5.620	1.075	39275	15	17.654	2.014
38977*	48	20.659	23.540	39049	12	21.693	24.676					39204	12	7.204	1.123	39276*	49	18.129	2.414
38978	14	21.120	23.372	39050	11	22.056	24.800					39205	12	7.410	1.008	39277	10	18.419	2.549
38979*	49	21.578	23.010	39051	12	22.142	24.082					39206	14	7.510	1.980	39278	23	18.460	2.118
38980	12	21.886	23.273	39052	9	22.450	24.294					39207*	40	9.902	1.931	39279	26	18.824	2.067
38981	23	21.932	23.780	39053	25	22.484	24.980					39208	24	10.257	1.978	39280	16	19.869	2.584
38982	8	22.104	23.832	39054	28	23.072	24.924					39209	37	10.800	1.675	39281	26	19.902	2.700
38983	32	22.218	23.326	39055	26	23.973	24.024					39210	12	11.173	1.345	39282	34	20.050	2.032
38984	10	22.691	23.470	39056	8	24.173	24.614					39211	12	12.276	1.489	39283	9	20.090	2.681
38985*	48	22.702	23.032	39057	26	24.490	24.956					39212	33	12.579	1.530	39284	13	20.566	2.364
38986	10	22.856	23.630	39058	8	24.577	24.138					39213	12	13.636	1.386	39285	13	22.200	2.213
38987	16	23.400	23.570	39059	8	24.760	24.089					39214	19	13.778	1.748	39286	15	22.236	2.174
38988	10	23.608	23.486	39060	19	25.681	24.807					39215	11	13.947	1.761	39287	20	23.110	2.394
38989	9	24.274	23.340	39061	54	0.448	25.478					39216	16	14.792	1.190	39288	12	23.140	2.770
38990	9	24.589	23.698	39062	10	1.524	25.948					39217	19	15.193	1.242	39289	38	24.003	2.509
38991	14	0.064	24.442	39063	28	1.904	25.381					39218	15	15.646	1.331	39290	31	24.098	2.746
38992	27	1.065	24.970	39064	11	2.018	25.636					39219	11	15.760	1.512	39291	29	24.134	2.660
38993	12	1.494	24.583	39065	26	2.308	25.046					39220	33	16.345	1.887	39292	11	25.262	2.300
38994	12	1.588	24.526	39066	10	3.052	25.711					39221	14	16.926	1.438	39293	20	0.134	3.301
38995	15	1.779	24.324	39067	12	3.182	25.212					39222	10	17.914	1.539	39294	10	0.438	3.840
38996	10	2.164	24.063	39068	10	3.965	25.785					39223	9	18.616	1.539	39295	12	0.749	3.450
38997	13	2.296	24.980	39069	10	4.036	25.299					39224	70	18.647	1.060	39296	10	0.759	3.164
38998	17	2.640	24.314	39070	11	4.287	25.325					39225	12	18.924	1.059	39297	9	1.037	3.971
38999	12	2.662	24.091	39071	10	5.050	25.412					39226	11	21.885	1.152	39298	11	1.073	3.598
39000	22	2.966	24.250	39072	11	5.270	25.056					39227	24	21.935	1.325	39299	12	1.880	3.333
39001	32	3.357	24.784	39073	11	6.770	25.440					39228	13	22.080	1.255	39300	19	2.186	3.980
39002	24	3.458	24.674	39074	11	7.077	25.490					39229	12	22.475	1.902	39301	16	2.215	3.825
39003*	39	5.445	24.470	39075	11	7.542	25.686					39230	14	22.718	1.410	39302	17	3.005	3.745
39004	14	5.579	24.111	39076	13	7.600	25.900					39231	10	23.598	1.006	39303	20	3.396	3.556
39005	13	5.700	24.832	39077	30	7.682	25.685					39232	10	24.972	1.802	39304	10	3.452	3.320
39006	10	6.218	24.152	39078	59	7.750	25.472					39233	12	25.633	1.726	39305	12	3.672	3.304
39007	13	6.294	24.194	39079	27	8.613	25.108					39234	12	0.025	2.834	39306	17	3.764	3.715
39008	34	6.309	24.434	39080	10	9.045	25.984					39235	12	0.160	2.082	39307	15	4.168	3.850
39009	11	6.390	24.103	39081	12	9.273	25.089					39236	10	0.178	2.876	39308	17	4.287	3.930
39010*	47	6.571	24.235	39082	10	9.275	25.920					39237*	39	1.002	2.456	39309	14	4.296	3.378
39011	49	6.834	24.573	39083	15	9.324	25.200					39238	20	1.410	2.302	39310	19	4.454	3.066
39012	12	6.834	24.176	39084	34	9.922	25.968					39239	12	1.700	2.705	39311	18	5.604	3.214
39013	11	7.324	24.163	39085	33	10.090	25.078					39240	40	2.019	2.416	39312	13	5.932	3.994
39014	27	8.732	24.922	39086	29	10.600	25.842					39241	20	2.519	2.632	39313	13	6.850	3.866
39015	10	9.190	24.280	39087	18	10.602	25.715					39242	28	2.565	2.628	39314	29	6.886	3.265
39016	11	9.232	24.472	39088	9	11.235	25.554					39243	12	2.678	2.778	39315	22	7.030	3.346
39017*	33	9.866	24.094	39089	14	11.416	25.455					39244	29	2.855	2.510	39316	16	7.710	3.799
39018	9	10.644	24.587	39090	24	11.419	25.172					39245	22	2.905	2.997	39317	12	7.773	3.102
39019	11	11.215	24.196	39091	29	11.690	25.874					39246	14	3.545	2.427	39318	11	8.106	3.188
39020	14	11.678	24.450	39092	34	12.150	25.922					39247	12	4.400	2.453	39319	10	8.256	3.790
39021	10	11.800	24.970	39093	11	13.222	25.826					39248	12	4.490	2.246	39320	19	8.344	3.398
39022	9	12.431	24.520	39094	9	14.550	25.120					39249	32	4.534	2.724	39321	34	8.572	3.415
39023	10	12.548	24.248	39095	23	14.830	25.560					39250	11	4.751	2.460	39322	18	9.186	3.191
39024	19	13.342	24.110	39096	14	15.056	25.930					39251	20	5.223	2.142	39323	24	9.506	3.176
39025*	35	14.099	24.565	39097	33	15.100	25.447					39252	14	5.400	2.447	39324	24	9.512	3.348
39026*	58	14.246	24.100	39098	23	15.418	25.575					39253	17	5.400	2.985	39325	12	11.261	3.300
39027	12	14.463	24.632	39099	25	15.454	25.079					39254	11	5.616	2.864	39326	21	11.701	3.108
39028	10	14.750	24.378	39100	12	15.650	25.857					39255	11	6.014	2.319	39327	11	11.814	3.884
39029	32	14.990	24.300	39101	15	16.254	25.727					39256	13	6.377	2.868	39328	12	11.930	3.492
39030	32	15.034	24.461	39102	10	16.852	25.938					39257	10	6.618	2.425	39329	11	12.025	3.252
39031	26	15.290	24.934	39103	26	17.040	25.525					39258*	58	6.820	2.736	39330	20	12.758	3.487
39032	15	15.498	24.036	39104*	49	17.598	25.432					39259	14	6.882	2.444	39331	20	13.322	3.491
39033	18	15.558	24.888	3910															

39335	36	15.330	3.840	39407	20	19.338	4.412	39479	12	5.190	6.770	39551	19	5.384	7.302	39623	21	7.045	8.370
39336	20	15.590	3.554	39408	12	20.286	4.964	39480	15	5.278	6.875	39552	30	5.475	7.074	39624	11	7.860	8.886
39337	20	16.026	3.503	39409	9	20.328	4.032	39481	24	5.331	6.364	39553	20	6.678	7.809	39625	12	8.110	8.696
39338	12	16.340	3.152	39410	18	20.584	4.054	39482	26	5.484	6.725	39554	22	7.318	7.298	39626	38	9.100	8.846
39339	14	16.474	3.658	39411	20	20.660	4.936	39483	22	6.494	6.650	39555	12	7.344	7.536	39627	11	9.260	8.124
39340	11	16.479	3.055	39412	14	21.305	4.604	39484	11	6.701	6.494	39556	15	7.720	7.492	39628	14	9.620	8.854
39341	13	17.000	3.426	39413	11	21.440	4.020	39485	24	8.030	6.222	39557	18	8.210	7.311	39629	14	10.290	8.519
39342	19	17.024	3.531	39414	27	21.734	4.416	39486	14	8.154	6.928	39558	16	8.816	7.148	39630	12	10.564	8.602
39343	18	17.481	3.434	39415	13	21.854	4.484	39487	20	8.290	6.538	39559	33	9.552	7.274	39631	20	10.854	8.842
39344	15	17.555	3.992	39416	12	22.673	4.274	39488	15	8.772	6.474	39560	11	9.633	7.789	39632	10	10.874	8.795
39345	20	17.576	3.541	39417*	42	23.018	4.502	39489	14	8.792	6.092	39561	16	9.900	7.266	39633	11	11.333	8.020
39346	13	17.600	3.790	39418	17	24.503	4.970	39490	22	8.992	6.510	39562	10	10.252	7.315	39634	12	11.370	8.546
39347	19	17.670	3.873	39419	38	24.720	4.829	39491	20	9.214	6.902	39563	11	10.450	7.499	39635	29	12.194	8.845
39348	10	18.294	3.907	39420	11	0.015	5.756	39492	12	9.698	6.016	39564	12	10.485	7.904	39636	14	12.526	8.326
39349	12	19.046	3.497	39421	16	0.366	5.722	39493	10	9.871	6.920	39565	10	10.530	7.483	39637	11	12.626	8.229
39350	13	19.340	3.882	39422	37	1.166	5.039	39494	10	10.306	6.714	39566	24	10.630	7.004	39638	18	13.325	8.536
39351	19	19.424	3.556	39423	12	2.050	5.018	39495	10	10.904	6.486	39567	20	11.410	7.902	39639	24	13.876	8.716
39352*	34	19.864	3.032	39424	17	3.330	5.768	39496	11	12.748	6.940	39568*	47	11.983	7.932	39640	11	14.024	8.940
39353	16	20.070	3.199	39425	10	3.479	5.450	39497	10	13.102	6.424	39569	12	12.034	7.233	39641	15	14.290	8.951
39354	12	20.308	3.426	39426	14	3.494	5.470	39498	16	13.390	6.630	39570	17	12.161	7.970	39642	14	14.330	8.928
39355	12	20.619	3.765	39427*	70	4.410	5.334	39499	10	13.750	6.288	39571	11	12.225	7.248	39643	13	14.409	8.434
39356	17	20.656	3.518	39428	24	4.580	5.682	39500	25	14.004	6.336	39572	27	13.083	7.443	39644	12	15.240	8.780
39357	35	22.504	3.780	39429	16	4.662	5.191	39501	13	15.238	6.080	39573	17	13.094	7.450	39645	13	15.326	8.006
39358	12	23.840	3.771	39430	12	5.054	5.106	39502	16	15.260	6.946	39574	13	13.194	7.088	39646*	38	15.498	8.384
39359	16	24.124	3.800	39431	12	5.635	5.284	39503	13	15.330	6.346	39575	10	13.326	7.876	39647	16	16.000	8.404
39360	14	24.233	3.078	39432	10	7.472	5.794	39504	13	15.336	6.456	39576	14	14.110	7.246	39648	13	16.314	8.633
39361	9	24.236	3.360	39433	12	7.928	5.369	39505	34	15.608	6.324	39577	16	14.279	7.994	39649	17	18.036	8.534
39362	29	24.718	3.036	39434	12	9.476	5.998	39506	35	15.800	6.530	39578	18	14.356	7.395	39650	10	18.302	8.764
39363	11	24.835	3.577	39435	13	10.274	5.566	39507	17	16.576	6.215	39579	40	14.478	7.270	39651	20	19.742	8.748
39364	12	24.854	3.680	39436	12	10.348	5.372	39508	10	16.699	6.276	39580	35	14.648	7.830	39652	12	19.886	8.297
39365	28	24.955	3.908	39437	11	11.200	5.643	39509	25	17.006	6.740	39581	10	14.666	7.444	39653	11	19.890	8.200
39366	12	25.062	3.222	39438	20	11.888	5.867	39510	26	17.230	6.341	39582	9	15.505	7.935	39654	37	21.616	8.618
39367	14	25.130	3.050	39439	10	11.978	5.926	39511	13	17.678	6.882	39583	10	15.537	7.696	39655	12	21.764	8.077
39368	35	1.650	4.342	39440	22	12.390	5.150	39512*	53	17.798	6.694	39584	12	15.613	7.118	39656	11	22.030	8.534
39369	17	3.595	4.712	39441	10	12.514	5.920	39513	40	18.124	6.479	39585	12	15.740	7.784	39657	34	22.446	8.491
39370	13	4.092	4.776	39442	15	13.772	5.770	39514	10	18.135	6.201	39586	17	16.245	7.985	39658	12	22.784	8.563
39371	10	4.342	4.670	39443	34	14.540	5.340	39515	14	18.779	6.652	39587	12	16.366	7.432	39659	11	22.864	8.031
39372	14	4.345	4.040	39444	12	14.725	5.840	39516	12	19.310	6.683	39588	14	16.580	7.650	39660	18	23.110	8.565
39373	13	4.386	4.030	39445	21	15.138	5.802	39517	16	19.760	6.370	39589	10	16.798	7.397	39661	23	23.618	8.184
39374	13	4.452	4.775	39446	19	15.214	5.405	39518	10	19.954	6.286	39590	10	17.914	7.228	39662	12	24.059	8.262
39375	35	4.764	4.514	39447	20	15.426	5.886	39519	12	20.017	6.790	39591	15	18.395	7.124	39663	29	24.095	8.500
39376	11	5.100	4.588	39448	21	15.539	5.845	39520	24	20.660	6.770	39592	12	18.400	7.245	39664	11	24.520	8.170
39377	20	5.258	4.386	39449	16	16.755	5.550	39521	20	20.885	6.142	39593	11	18.520	7.606	39665	12	0.800	9.169
39378	12	5.269	4.510	39450	11	16.852	5.120	39522	18	21.775	6.190	39594	13	19.368	7.967	39666	25	1.106	9.350
39379	25	5.330	4.166	39451	13	17.287	5.238	39523	24	22.024	6.162	39595	11	19.590	7.167	39667	11	1.310	9.658
39380	36	5.370	4.866	39452	36	17.641	5.756	39524	24	22.259	6.169	39596	22	20.507	7.237	39668	14	1.786	9.932
39381	14	5.722	4.924	39453	20	18.062	5.401	39525	26	22.328	6.069	39597	20	20.526	7.580	39669	13	2.068	9.842
39382	14	7.966	4.462	39454	28	18.080	5.790	39526	13	23.904	6.896	39598	12	21.861	7.810	39670	10	2.145	9.955
39383	30	8.162	4.406	39455	23	18.318	5.892	39527	14	25.174	6.864	39599	10	21.870	7.262	39671*	60	2.210	9.077
39384	16	8.550	4.184	39456	14	18.919	5.405	39528	13	25.547	6.699	39600	12	21.987	7.084	39672	11	3.107	9.780
39385	11	9.080	4.114	39457	10	19.206	5.732	39529	28	25.572	6.150	39601	15	22.779	7.158	39673	10	3.176	9.882
39386	20	9.310	4.796	39458*	40	19.510	5.738	39530	10	0.440	7.426	39602	11	23.034	7.602	39674	12	3.503	9.534
39387*	129	9.406	4.522	39459	9	20.056	5.390	39531	10	0.690	7.789	39603	16	23.539	7.466	39675	13	3.510	9.774
39388	25	10.024	4.120	39460	20	20.650	5.740	39532*	40	1.350	7.257	39604*	40	23.548	7.762	39676	10	3.750	9.202
39389	31	11.024	4.096	39461	10	20.700	5.524	39533*	40	1.526	7.050	39605	11	23.926	7.532	39677	12	3.914	9.533
39390	12	11.207	4.478	39462	35	20.802	5.878	39534	16	1.684	7.938	39606	15	24.007	7.336	39678	10	4.504	9.820
39391*	38	11.440	4.560	39463	10	22.786	5.428	39535	19	1.820	7.356	39607	19	24.070	7.480	39679	19	4.635	9.212
39392	15	11.710	4.990	39464	13	22.964	5.714	39536	10	1.932	7.742	39608	10	25.088	7.080	39680	14	4.952	9.599
39393	16	11.767	4.726	39465	15	24.049	5.826	39537	13	1.970	7.215	39609	12	25.930	7.682	39681*	68	6.220	9.314
39394	14	11.830	4.958	39466	10	24.066	5.939	39538	28	2.115	7.955	39610	10	0.978	8.668	39682	15	6.448	9.272
39395	19	11.886	4.098	39467	30	24.230	5.104	39539	14	2.198	7.846	39611	11	1.555	8.175	39683	15	6.852	9.308
39396	18	12.970	4.851	39468	24	25.523	5.726	39540	14	2.312	7.896	39612	20	1.905	8.018	39684	17	8.800	9.956
39397	14	14.274	4.482	39469	10	25.838	5.446	39541	12	2.770	7.190	39613	12	2.073	8.512	39685	36	9.325	9.682
39398	11	15.092	4.430	39470	25														

39695	22	17.238	9.130	39767	12	19.338	10.218	39839	10	19.638	11.125	39911	12	24.933	12.945	39983	10	0.088	14.206
39696	21	17.988	9.485	39768	20	19.940	10.734	39840	12	20.196	11.166	39912	18	25.140	12.980	39984	20	1.144	14.628
39697	19	18.135	9.718	39769	20	20.010	10.891	39841	24	20.730	11.588	39913	15	25.228	12.699	39985	30	1.560	14.580
39698	13	19.490	9.212	39770	15	20.145	10.232	39842	10	21.042	11.203	39914	60	25.445	12.408	39986	11	1.712	14.870
39699	19	19.868	9.970	39771	20	20.333	10.422	39843	12	21.420	11.289	39915	12	0.328	13.877	39987	22	2.392	14.266
39700	12	21.380	9.728	39772	20	20.344	10.766	39844	20	21.836	11.355	39916	26	1.692	13.018	39988	10	3.291	14.660
39701	19	22.726	9.075	39773	14	20.511	10.447	39845	10	21.852	11.362	39917	25	2.100	13.912	39989	17	3.527	14.773
39702	12	23.231	9.852	39774	12	20.580	10.446	39846	12	21.978	11.094	39918	19	2.802	13.465	39990	11	4.004	14.646
39703	15	23.510	9.703	39775	10	21.095	10.324	39847	24	22.428	11.506	39919	32	2.998	13.212	39991	19	5.040	14.203
39704	12	23.549	9.826	39776	16	21.462	10.723	39848	11	22.528	11.652	39920	52	3.130	13.576	39992	13	5.366	14.434
39705	47	24.150	9.149	39777	10	21.496	10.383	39849	20	22.562	11.540	39921	10	3.384	13.222	39993	12	5.651	14.204
39706	12	25.610	9.636	39778	13	22.032	10.640	39850	14	22.772	11.679	39922	13	3.647	13.705	39994	17	5.805	14.450
39707	9	0.408	10.226	39779	11	22.160	10.274	39851	12	24.041	11.859	39923	11	4.054	13.977	39995	24	6.188	14.348
39708	12	1.000	10.690	39780	10	22.999	10.873	39852	13	24.598	11.928	39924	33	4.335	13.795	39996	13	6.661	14.496
39709	10	1.350	10.532	39781	14	23.125	10.890	39853	20	24.675	11.216	39925	15	4.430	13.857	39997	22	6.774	14.565
39710	21	1.626	10.972	39782	16	23.424	10.998	39854	11	24.970	11.486	39926	27	4.647	13.264	39998	35	7.215	14.932
39711	12	1.860	10.354	39783	12	23.814	10.044	39855	23	0.232	12.237	39927	18	4.868	13.248	39999	10	7.298	14.510
39712	13	2.205	10.002	39784	9	24.067	10.448	39856	15	0.875	12.084	39928	13	4.982	13.746	40000	15	7.307	14.279
39713	15	2.694	10.906	39785	22	24.332	10.491	39857	11	0.890	12.891	39929	20	5.302	13.789	40001	16	7.720	14.806
39714	13	3.263	10.640	39786	20	25.392	10.986	39858	14	1.000	12.595	39930	11	5.578	13.450	40002	14	7.876	14.667
39715	38	3.336	10.794	39787	12	0.240	11.812	39859	17	1.784	12.926	39931	24	5.685	13.588	40003	13	7.898	14.008
39716	16	4.031	10.822	39788	10	0.366	11.824	39860	26	2.625	12.058	39932	14	5.850	13.294	40004	11	8.140	14.388
39717	11	4.126	10.749	39789	9	1.168	11.021	39861	36	3.170	12.820	39933	14	6.114	13.404	40005	19	8.164	14.522
39718	44	4.210	10.357	39790	14	1.360	11.175	39862	14	3.365	12.245	39934	9	6.137	13.402	40006	10	8.179	14.984
39719	19	4.295	10.501	39791	19	1.479	11.154	39863	16	3.596	12.646	39935	39	6.160	13.182	40007	19	8.195	14.960
39720	38	4.445	10.678	39792	25	1.534	11.576	39864	25	4.319	12.699	39936	24	7.440	13.330	40008	20	9.722	14.454
39721	17	4.538	10.435	39793	12	1.762	11.129	39865	12	4.555	12.582	39937	20	8.231	13.302	40009	12	9.860	14.789
39722	36	4.634	10.270	39794	28	1.795	11.740	39866	12	4.745	12.535	39938	12	8.584	13.904	40010	20	9.915	14.021
39723	14	4.760	10.934	39795	24	1.869	11.560	39867	24	4.890	12.384	39939	10	8.791	13.696	40011	13	10.342	14.306
39724	17	5.806	10.035	39796	10	2.538	11.735	39868	18	5.515	12.889	39940	60	9.210	13.025	40012	10	10.996	14.724
39725	17	6.441	10.050	39797	15	3.236	11.276	39869	12	5.715	12.710	39941	13	9.685	13.880	40013	42	11.336	14.961
39726	14	6.640	10.870	39798	13	3.256	11.435	39870	11	5.980	12.342	39942	22	9.785	13.988	40014	13	11.498	14.750
39727	10	6.805	10.439	39799	12	3.280	11.865	39871	9	6.068	12.345	39943	11	9.818	13.940	40015	30	12.410	14.360
39728	26	7.495	10.233	39800	15	3.410	11.896	39872	12	6.143	12.087	39944	20	10.046	13.415	40016	20	13.760	14.164
39729	12	7.790	10.444	39801	13	3.630	11.976	39873	12	6.384	12.606	39945	12	10.134	13.968	40017	9	13.925	14.858
39730	10	7.971	10.245	39802	16	3.795	11.672	39874	13	6.782	12.558	39946	22	10.652	13.348	40018	10	14.022	14.759
39731	11	8.150	10.045	39803	15	3.854	11.264	39875	30	6.935	12.550	39947	20	10.852	13.833	40019	13	15.399	14.099
39732	36	8.536	10.292	39804	10	3.955	11.305	39876	17	8.178	12.160	39948	10	11.020	13.622	40020	13	15.624	14.752
39733	12	8.625	10.074	39805	14	4.315	11.602	39877	12	8.230	12.614	39949	36	11.322	13.916	40021	10	15.734	14.736
39734	18	8.747	10.362	39806	17	4.769	11.546	39878	20	8.275	12.394	39950	40	12.759	13.336	40022	42	16.092	14.774
39735	9	8.751	10.110	39807	12	5.082	11.216	39879	42	8.520	12.832	39951	12	12.908	13.086	40023	35	16.152	14.738
39736	16	9.106	10.166	39808	20	5.738	11.054	39880	15	8.650	12.414	39952	11	13.444	13.104	40024	20	16.929	14.711
39737	15	9.139	10.256	39809	22	5.879	11.430	39881	12	9.533	12.290	39953	15	13.742	13.401	40025	12	17.026	14.310
39738	35	9.320	10.856	39810	26	6.916	11.470	39882	11	9.589	12.974	39954	9	13.992	13.944	40026	30	17.108	14.305
39739	17	9.416	10.399	39811	34	7.520	11.724	39883	13	10.210	12.994	39955	45	14.530	13.404	40027	28	17.120	14.409
39740	9	9.840	10.749	39812	10	8.100	11.236	39884	11	10.290	12.080	39956	13	14.614	13.929	40028	12	17.156	14.318
39741	12	9.885	10.985	39813	15	9.240	11.774	39885	23	10.309	12.799	39957	10	14.662	13.146	40029	10	17.749	14.397
39742	29	10.164	10.442	39814	40	10.677	11.014	39886	19	10.622	12.570	39958	28	14.809	13.254	40030	10	17.778	14.172
39743	12	10.466	10.098	39815	12	10.880	11.570	39887	33	10.790	12.825	39959	19	14.950	13.820	40031	13	18.500	14.740
39744	10	10.718	10.777	39816	24	11.070	11.102	39888	12	11.061	12.066	39960	12	15.436	13.540	40032	10	18.884	14.403
39745	12	10.960	10.324	39817	42	11.280	11.868	39889	12	11.240	12.182	39961	13	15.970	13.603	40033	35	20.650	14.873
39746	23	11.514	10.788	39818	10	12.011	11.368	39890	9	11.454	12.071	39962	14	17.700	13.444	40034	10	21.508	14.744
39747	26	11.952	10.578	39819	14	12.220	11.964	39891	28	12.340	12.771	39963	44	18.978	13.139	40035	12	23.135	14.835
39748	63	11.968	10.834	39820	11	12.280	11.052	39892	20	13.465	12.194	39964	14	19.666	13.078	40036	18	23.308	14.770
39749	12	12.181	10.032	39821	11	12.500	11.082	39893	9	13.660	12.791	39965	18	19.666	13.674	40037	42	23.850	14.131
39750	15	12.244	10.989	39822	10	13.740	11.100	39894	14	13.919	12.890	39966	12	20.462	13.931	40038	20	25.812	14.134
39751	12	13.335	10.430	39823	17	13.990	11.695	39895	21	14.157	12.022	39967	18	20.610	13.462	40039	12	25.953	14.783
39752	11	14.096	10.186	39824	28	14.166	11.092	39896	13	14.626	12.916	39968	17	20.845	13.224	40040	15	0.032	15.686
39753	9	14.124	10.608	39825	18	15.197	11.542	39897	17	15.136	12.211	39969	11	20.935	13.116	40041	12	0.322	15.030
39754	13	14.547	10.190	39826	15	15.370	11.878	39898	12	15.559	12.309	39970	13	21.376	13.466	40042	14	1.576	15.560
39755	11	14.867	10.443	39827	14	15.504	11.270	39899	12	15.971	12.120	39971	16	21.510	13.398	40043	80	1.854	15.444
39756	18	15.275	10.486	39828	21	15.799	11.682	39900	15	16.822	12.720	39972	15	22.922	13.780	40044	29	1.936	15.806
3975																			

40055*	44	8.934	15.711	40117	10	23.918	16.414	40199	12	6.827	18.824	40271	28	4.208	19.090	40343	13	7.442	20.663
40056	20	8.939	15.033	40118	10	24.218	16.528	40200	10	6.866	18.559	40272	15	4.273	19.647	40344	15	8.054	20.726
40057	13	9.495	15.994	40119	26	24.670	16.004	40201	12	7.145	18.104	40273	12	4.564	19.354	40345	17	8.168	20.622
40058	12	9.868	15.304	40120	30	24.893	16.393	40202	11	7.492	18.206	40274	38	4.580	19.494	40346	18	8.570	20.827
40059	13	10.091	15.936	40121	19	25.538	16.600	40203	20	7.700	18.710	40275	15	4.705	19.146	40347	10	8.821	20.632
40060	10	10.394	15.167	40122	20	25.875	16.428	40204	19	7.840	18.580	40276	11	4.933	19.746	40348	15	9.066	20.806
40061	12	11.026	15.230	40123	20	25.986	16.630	40205	12	7.986	18.517	40277	10	6.334	19.388	40349	13	9.116	20.180
40062	10	11.188	15.164	40124	17	0.571	17.732	40206	11	8.053	18.198	40278	12	6.551	19.308	40350	12	9.570	20.541
40063*	46	11.238	15.272	40125	21	0.696	17.391	40207	12	8.165	18.676	40279*	59	6.663	19.422	40351	15	9.876	20.750
40064	28	11.355	15.750	40126	10	0.904	17.340	40208	13	8.276	18.014	40280	18	6.868	19.590	40352	10	10.291	20.692
40065	13	11.598	15.230	40127	12	2.274	17.721	40209	17	8.578	18.554	40281	18	7.377	19.247	40353	14	11.302	20.508
40066	23	11.722	15.424	40128	16	2.754	17.303	40210	13	9.137	18.814	40282*	40	8.496	19.350	40354	11	11.966	20.480
40067	20	12.918	15.550	40129	16	2.936	17.726	40211	25	9.277	18.334	40283	14	9.012	19.440	40355	10	12.028	20.247
40068	15	13.216	15.520	40130	18	3.094	17.994	40212	13	9.354	18.143	40284	11	9.088	19.996	40356	20	12.345	20.889
40069	17	13.644	15.910	40131	43	3.318	17.518	40213	20	9.855	18.594	40285	16	9.644	19.530	40357	19	12.703	20.816
40070	23	13.662	15.270	40132	22	3.435	17.420	40214	20	10.140	18.295	40286	10	9.899	19.698	40358	10	12.792	20.400
40071	10	14.598	15.754	40133	24	3.540	17.812	40215	15	10.800	18.706	40287	17	10.324	19.096	40359	26	13.190	20.950
40072	34	15.682	15.480	40134*	53	3.828	17.536	40216	21	11.265	18.736	40288	13	10.365	19.058	40360	10	13.676	20.436
40073	12	16.270	15.747	40135	15	4.169	17.582	40217	20	11.406	18.932	40289	17	10.580	19.666	40361	19	13.824	20.348
40074	10	16.837	15.966	40136	11	4.498	17.400	40218*	60	11.487	18.046	40290	14	10.736	19.184	40362	13	14.175	20.928
40075	11	17.456	15.172	40137*	44	5.740	17.320	40219	20	11.782	18.722	40291	18	10.960	19.679	40363	18	16.290	20.210
40076	13	17.646	15.420	40138	17	5.842	17.600	40220	12	11.789	18.618	40292	12	12.199	19.646	40364	12	16.830	20.974
40077	22	17.820	15.580	40139	22	5.914	17.652	40221	25	11.878	18.676	40293	16	12.258	19.662	40365	11	17.159	20.610
40078*	33	20.136	15.814	40140	16	6.224	17.400	40222	18	12.132	18.536	40294	10	12.480	19.014	40366	10	17.210	20.194
40079	22	20.140	15.316	40141	11	6.536	17.313	40223	14	13.008	18.548	40295	12	12.775	19.557	40367	12	17.397	20.244
40080	9	21.333	15.544	40142	21	8.139	17.264	40224	18	13.514	18.110	40296	25	13.075	19.027	40368	26	17.407	20.586
40081	12	21.486	15.217	40143	11	8.330	17.886	40225	14	14.028	18.639	40297	10	14.109	19.138	40369	10	18.002	20.906
40082	14	21.637	15.150	40144	22	8.509	17.544	40226	12	14.735	18.418	40298	19	14.659	19.308	40370	16	19.767	20.652
40083	21	21.788	15.020	40145	11	8.671	17.102	40227*	44	14.950	18.822	40299	14	15.784	19.479	40371	16	19.841	20.778
40084	10	22.048	15.889	40146*	55	10.166	17.856	40228	20	15.449	18.068	40300	19	15.977	19.450	40372	17	20.768	20.110
40085	17	22.080	15.399	40147	22	11.164	17.111	40229	22	16.238	18.108	40301	17	16.350	19.630	40373	18	21.094	20.993
40086	12	22.330	15.985	40148*	40	11.345	17.867	40230	12	16.722	18.234	40302	17	16.360	19.546	40374	21	22.174	20.639
40087	15	22.672	15.892	40149*	40	11.378	17.236	40231	13	16.905	18.960	40303	14	16.538	19.940	40375	20	22.974	20.112
40088*	62	22.770	15.293	40150	12	12.576	17.204	40232*	38	17.185	18.280	40304*	28	16.830	19.774	40376	17	24.174	20.436
40089	13	0.026	16.350	40151*	40	12.896	17.684	40233	15	18.755	18.910	40305	13	17.320	19.384	40377	19	24.610	20.723
40090	16	0.620	16.293	40152	11	14.384	17.034	40234	12	19.517	18.426	40306	15	17.396	19.070	40378	25	24.820	20.500
40091	22	1.714	16.965	40153	16	14.794	17.265	40235	10	19.710	18.074	40307	10	18.312	19.902	40379	22	25.600	20.550
40092	35	2.808	16.200	40154	19	15.740	17.270	40236	11	19.825	18.167	40308	11	18.470	19.690	40380	12	0.195	21.240
40093	14	2.835	16.810	40155	13	16.030	17.935	40237	11	19.875	18.017	40309	10	18.587	19.380	40381	17	0.320	21.111
40094	18	4.255	16.829	40156	20	16.494	17.899	40238	12	20.302	18.712	40310	17	19.050	19.375	40382	13	0.352	21.166
40095	10	4.385	16.224	40157	12	16.840	17.525	40239	11	20.592	18.983	40311	11	19.320	19.950	40383	20	0.460	21.770
40096	12	4.553	16.266	40158	14	16.965	17.275	40240	10	20.676	18.100	40312	26	19.608	19.192	40384	19	0.499	21.789
40097*	26	5.220	16.022	40159	12	17.669	17.960	40241	20	21.087	18.678	40313	13	19.680	19.369	40385	13	1.004	21.534
40098	12	5.553	16.476	40160	22	18.096	17.860	40242	20	21.204	18.478	40314	20	19.958	19.816	40386	18	1.039	21.482
40099	13	6.892	16.023	40161	19	18.390	17.276	40243	11	21.229	18.899	40315	10	21.156	19.660	40387	16	1.236	21.888
40100	13	8.628	16.499	40162	13	19.370	17.688	40244	17	21.630	18.628	40316	10	21.829	19.440	40388	24	1.311	21.200
40101	22	8.656	16.144	40163	15	19.520	17.554	40245	24	21.900	18.588	40317	26	21.970	19.638	40389*	36	1.590	21.400
40102	17	9.925	16.730	40164	22	19.773	17.408	40246	14	22.080	18.609	40318	35	22.367	19.783	40390	13	1.690	21.563
40103	10	9.086	16.620	40165	20	19.794	17.410	40247	10	22.890	18.686	40319	14	23.292	19.354	40391	12	2.386	21.042
40104	12	9.631	16.900	40166	12	19.799	17.179	40248	38	23.176	18.450	40320	10	24.286	19.492	40392	18	2.570	21.145
40105	15	11.122	16.556	40167	10	19.973	17.426	40249	14	23.950	18.585	40321	15	24.678	19.480	40393	40	3.055	21.966
40106	15	11.430	16.537	40168	19	20.368	17.616	40250	12	24.046	18.908	40322	11	24.730	19.190	40394	19	3.095	21.200
40107	22	12.560	16.539	40169	20	21.030	17.718	40251	10	24.280	18.159	40323	13	24.858	19.344	40395	20	3.476	21.174
40108	32	13.124	16.538	40170	10	23.836	17.156	40252	24	24.346	18.998	40324	19	25.180	19.220	40396	12	3.621	21.432
40109	17	14.739	16.764	40171	11	24.198	17.649	40253	12	25.055	18.320	40325	10	25.298	19.586	40397	14	3.714	21.206
40110	10	14.810	16.427	40172	13	24.474	17.574	40254	19	25.890	18.690	40326	39	0.036	20.915	40398	15	5.294	21.746
40111	10	14.882	16.096	40173	24	24.478	17.584	40255	25	0.404	19.542	40327	32	1.180	20.934	40399	12	5.441	21.294
40112	12	14.924	16.400	40174*	78	24.524	17.550	40256	12	0.432	19.348	40328	33	1.185	20.777	40400	20	6.072	21.036
40113*	44	15.374	16.290	40175	16	24.692	17.998	40257	12	0.664	19.366	40329	23	1.506	20.775	40401	17	6.550	21.704
40114	12	15.532	16.787	40176	17	25.270	17.550	40258	10	0.692	19.182	40330*	44	1.795	20.610	40402	11	6.786	21.892
40115	12	15.759	16.602	40177	20	0.986	18.867	40259	14	1.380	19.138	40331	13	1.999	20.531	40403	19	6.825	21.894
40116	12	15.932	16.082	40178	12	1.295	18.071	40260	21	1.763	19.515	40332	31	2.072	20.179				

40415	20	10.986	21.657	40487	13	16.235	22.152	40559*	53	15.720	23.370	40631	14	20.038	24.366	<div>R.A. 8^h 44^m</div> <div>Plate 1927; 1922 Feb. 24.</div> <div>Provisional Constants.</div> <div>A B C</div> <div>—01755 + 00965 + 1094</div> <div>D E F</div> <div>—00986 —01747 —0924</div> <div>Mag. = 17.2 — 0.96√d</div>
40416	10	11.988	21.668	40488	20	17.146	22.592	40560	20	15.914	23.988	40632	21	20.260	24.058	
40417	20	13.679	21.052	40489	25	17.376	22.271	40561	25	15.940	23.799	40633	17	22.138	24.672	
40418	23	13.714	21.278	40490	17	17.400	22.141	40562	12	16.081	23.465	40634	13	22.754	24.838	
40419*	43	13.896	21.502	40491	12	17.458	22.312	40563*	44	16.261	23.734	40635	14	22.785	24.612	
40420	15	13.905	21.098	40492	19	18.062	22.988	40564	11	16.277	23.716	40636	15	23.378	24.894	
40421	14	14.350	21.360	40493	15	18.076	22.860	40565	10	16.352	23.380	40637	27	24.456	24.528	
40422	15	14.351	21.422	40494	13	18.148	22.624	40566	17	17.400	23.456	40638	10	25.174	24.550	
40423	11	14.968	21.069	40495	12	18.212	22.198	40567	20	17.539	23.016	40639	10	25.630	24.641	
40424	10	15.176	21.786	40496	25	18.587	22.887	40568	11	17.912	23.369	40640	29	0.510	25.498	
40425	15	15.511	21.136	40497*	56	18.808	22.590	40569	25	18.116	23.975	40641	10	0.867	25.132	
40426	11	15.546	21.640	40498	13	19.385	22.936	40570	26	18.124	23.421	40642	34	1.536	25.163	
40427	11	15.570	21.660	40499	12	20.210	22.975	40571	33	18.156	23.787	40643	20	1.913	25.250	
40428	10	16.148	21.014	40500	20	20.280	22.420	40572	17	18.546	23.414	40644	28	3.188	25.422	
40429	20	16.212	21.920	40501	11	20.490	22.649	40573	11	18.920	23.482	40645	13	3.213	25.139	
40430	24	16.442	21.368	40502	11	20.766	22.489	40574	12	19.237	23.238	40646	40	4.454	25.118	
40431	11	16.714	21.904	40503	14	22.412	22.132	40575	15	19.980	23.426	40647	12	5.525	25.094	
40432	16	16.806	21.352	40504	12	22.546	22.660	40576	11	20.254	23.198	40648	29	5.564	25.092	
40433	10	16.864	21.784	40505	20	22.580	22.270	40577	15	20.298	23.244	40649	15	6.874	25.522	
40434	30	17.138	21.733	40506	11	23.424	22.306	40578	11	20.376	23.792	40650	11	8.720	25.006	
40435	15	17.618	21.940	40507*	45	23.502	22.904	40579	27	20.430	23.123	40651	14	9.360	25.352	
40436	13	17.954	21.902	40508	16	23.888	22.038	40580	30	20.632	23.130	40652	11	9.572	25.646	
40437	23	18.396	21.552	40509	19	24.145	22.919	40581	9	20.656	23.346	40653	12	10.023	25.196	
40438	11	18.456	21.810	40510	23	24.590	22.118	40582	13	20.833	23.824	40654	24	11.035	25.737	
40439	30	18.813	21.832	40511	19	24.648	22.435	40583	14	21.108	23.145	40655	16	12.487	25.304	
40440	11	19.090	21.210	40512	29	25.691	22.926	40584	9	21.189	23.698	40656	12	12.560	25.246	
40441	14	20.482	21.906	40513	12	0.044	23.238	40585	19	21.214	23.228	40657	11	12.609	25.520	
40442	11	21.588	21.006	40514	19	0.099	23.745	40586*	40	21.400	23.782	40658	11	12.946	25.490	
40443*	34	21.905	21.810	40515	32	0.374	23.286	40587	22	21.808	23.536	40659	26	13.014	25.096	
40444	20	23.595	21.138	40516	12	0.852	23.423	40588	12	23.510	23.329	40660	9	13.035	25.360	
40445	15	25.570	21.214	40517	12	1.019	23.574	40589	14	23.982	23.652	40661	26	14.100	25.379	
40446	25	25.930	21.581	40518	15	1.561	23.506	40590	15	24.181	23.816	40662*	58	14.397	25.060	
40447	48	0.850	22.986	40519	23	2.142	23.952	40591	10	24.565	23.667	40663	13	14.592	25.367	
40448	14	1.242	22.520	40520	11	2.434	23.262	40592	19	24.744	23.408	40664	11	14.740	25.960	
40449	22	1.592	22.790	40521	11	2.753	23.610	40593	15	25.980	23.150	40665	28	15.820	25.304	
40450	14	2.074	22.324	40522*	60	4.777	23.838	40594	12	0.315	24.044	40666	42	16.014	25.915	
40451	12	2.085	22.124	40523	42	5.298	23.760	40595	25	0.674	24.934	40667	36	16.379	25.025	
40452	14	2.510	22.178	40524	19	5.960	23.304	40596	28	1.258	24.868	40668	15	16.678	25.684	
40453	19	3.312	22.722	40525	10	6.554	23.658	40597	12	2.356	24.534	40669	11	16.894	25.125	
40454	24	3.815	22.365	40526	35	6.565	23.579	40598	25	2.676	24.874	40670	14	17.489	25.084	
40455	12	4.577	22.599	40527	25	6.915	23.186	40599	22	3.865	24.701	40671	40	17.786	25.350	
40456	11	4.862	22.204	40528	19	7.555	23.826	40600	16	4.615	24.228	40672	9	18.034	25.126	
40457	10	4.951	22.923	40529	32	7.656	23.145	40601	15	7.569	24.226	40673	10	18.236	25.940	
40458	20	5.850	22.438	40530	17	8.376	23.150	40602	13	8.339	24.894	40674	14	18.404	25.539	
40459	14	6.004	22.178	40531	19	8.390	23.160	40603	25	8.972	24.662	40675	29	18.525	25.458	
40460	15	6.324	22.922	40532	12	9.065	23.984	40604	17	9.090	24.682	40676	14	18.580	25.096	
40461	12	6.488	22.988	40533	12	9.348	23.170	40605	17	9.484	24.584	40677	10	18.660	25.580	
40462	12	6.664	22.078	40534	21	9.470	23.478	40606	29	9.724	24.755	40678	35	18.696	25.948	
40463	11	6.737	22.856	40535	13	9.490	23.399	40607	21	10.246	24.756	40679	14	18.773	25.202	
40464	20	6.997	22.146	40536	10	9.522	23.792	40608	22	10.386	24.420	40680	19	18.924	25.522	
40465	33	7.170	22.315	40537	12	9.694	23.546	40609	11	10.392	24.212	40681	9	19.195	25.854	
40466	27	8.151	22.634	40538	14	9.740	23.255	40610	9	10.484	24.218	40682	11	19.242	25.985	
40467	11	8.596	22.955	40539	12	9.856	23.363	40611	14	10.982	24.366	40683	16	19.302	25.964	
40468	23	8.782	22.576	40540	10	10.114	23.508	40612	12	11.184	24.683	40684*	68	19.505	25.270	
40469	10	9.740	22.886	40541	24	10.490	23.141	40613	20	11.718	24.180	40685	10	19.547	25.384	
40470	21	10.074	22.688	40542	14	10.890	23.242	40614	11	11.973	24.754	40686	12	21.928	25.112	
40471	20	10.281	22.237	40543	11	10.924	23.143	40615	10	12.130	24.540	40687	13	22.984	25.466	
40472	14	11.618	22.022	40544	18	11.266	23.716	40616	12	12.432	24.975	40688	40	23.612	25.745	
40473	9	11.962	22.414	40545	18	11.285	23.424									

40756	30	1-356	2-573	40828	18	0-144	4-686	40900	16	16-900	5-000	40972	24	7-992	7-316	41044	23	1-100	9-258
40757	16	1-394	2-946	40829	10	0-744	4-444	40901	38	18-927	5-480	40973	15	9-191	7-750	41045	21	1-896	9-874
40758	40	2-250	2-672	40830	14	0-959	4-458	40902	11	19-392	5-686	40974	20	9-286	7-195	41046	12	1-938	9-996
40759	38	2-350	2-906	40831*	46	1-300	4-683	40903	12	19-944	5-956	40975	15	9-296	7-224	41047	59	2-520	9-305
40760	35	2-385	2-818	40832	39	3-010	4-977	40904	11	19-966	5-960	40976	21	9-300	7-975	41048	9	3-060	9-450
40761	22	5-216	2-320	40833	26	3-229	4-050	40905	24	20-095	5-675	40977	22	10-236	7-518	41049	14	3-995	9-765
40762	18	5-234	2-708	40834	13	5-103	4-058	40906	14	20-386	5-456	40978	11	10-313	7-506	41050	25	4-984	9-564
40763	13	5-359	2-728	40835	37	5-994	4-440	40907	11	22-944	5-236	40979	23	11-553	7-155	41051	17	6-616	9-978
40764	9	5-954	2-162	40836	21	6-133	4-044	40908	28	23-742	5-264	40980	18	11-588	7-112	41052	13	6-926	9-138
40765	13	7-660	2-558	40837	26	6-994	4-646	40909	16	24-016	5-214	40981	15	15-220	7-020	41053	17	7-408	9-106
40766	20	8-200	2-588	40838*	80	8-120	4-706	40910	20	0-096	6-394	40982	17	15-690	7-376	41054	23	8-255	9-128
40767	34	9-594	2-326	40839	19	8-540	4-571	40911	25	0-344	6-361	40983	15	16-240	7-309	41055	16	8-806	9-914
40768	15	10-080	2-747	40840	13	8-655	4-056	40912	28	0-577	6-362	40984	17	16-286	7-996	41056	32	8-990	9-350
40769	14	10-092	2-586	40841	18	8-700	4-544	40913	32	0-642	6-261	40985	9	16-290	7-894	41057	19	9-178	9-928
40770	20	10-110	2-820	40842	17	9-054	4-205	40914	11	2-384	6-098	40986	26	16-936	7-776	41058	18	9-347	9-578
40771	15	10-165	2-284	40843	27	9-616	4-816	40915	15	3-874	6-828	40987	20	17-481	7-916	41059	20	9-940	9-756
40772	18	11-924	2-544	40844	39	11-450	4-621	40916	32	3-890	6-284	40988	15	18-320	7-876	41060	14	10-034	9-406
40773	15	12-744	2-050	40845	11	11-566	4-598	40917	17	5-050	6-974	40989	36	19-498	7-096	41061	17	10-474	9-148
40774	17	14-590	2-433	40846	12	11-926	4-798	40918*	38	5-136	6-915	40990	20	20-808	7-788	41062	16	12-411	9-408
40775	23	14-672	2-452	40847	21	12-003	4-742	40919	21	5-734	6-756	40991	12	21-388	7-510	41063*	59	12-796	9-848
40776	29	14-693	2-194	40848	21	12-948	4-694	40920	16	5-752	6-586	40992	21	22-695	7-760	41064	20	13-528	9-492
40777	38	14-722	2-214	40849	22	14-090	4-997	40921	12	6-081	6-114	40993	14	23-374	7-562	41065	25	13-616	9-869
40778	12	15-810	2-283	40850	15	14-234	4-315	40922	14	6-732	6-636	40994	30	23-541	7-650	41066	14	15-164	9-695
40779	21	15-954	2-638	40851	14	14-264	4-068	40923	16	7-100	6-965	40995	23	24-178	7-272	41067	13	15-602	9-552
40780	16	16-100	2-336	40852	21	14-472	4-688	40924	17	7-288	6-454	40996	15	0-120	8-283	41068	9	15-956	9-376
40781	14	16-785	2-824	40853	14	16-876	4-292	40925	20	7-796	6-833	40997	14	0-214	8-012	41069	16	17-426	9-120
40782	13	17-004	2-075	40854	26	16-920	4-447	40926	14	8-175	6-203	40998	14	0-394	8-732	41070	18	17-629	9-191
40783	22	17-039	2-896	40855	17	18-095	4-652	40927	37	10-366	6-396	40999	38	0-808	8-682	41071	12	18-841	9-315
40784	18	17-206	2-356	40856	12	18-226	4-432	40928	19	10-788	6-016	41000	16	1-148	8-746	41072	12	20-699	9-391
40785*	39	17-326	2-770	40857	15	19-356	4-774	40929	10	10-901	6-056	41001	15	1-219	8-214	41073	14	21-102	9-354
40786	14	17-433	2-374	40858	17	20-137	4-115	40930	15	11-318	6-460	41002	20	1-474	8-742	41074	12	22-165	9-103
40787	19	18-038	2-646	40859	14	24-138	4-913	40931	13	13-684	6-334	41003	31	1-974	8-352	41075	37	24-036	9-698
40788	30	18-250	2-044	40860	26	24-358	4-450	40932*	70	14-224	6-696	41004	17	2-414	8-424	41076	22	25-250	9-134
40789	22	19-300	2-741	40861	25	24-988	4-545	40933	14	14-708	6-616	41005	37	2-456	8-659	41077	18	25-413	9-164
40790	12	19-734	2-792	40862	11	25-766	4-800	40934	20	14-926	6-366	41006	12	2-875	8-322	41078	12	25-522	9-647
40791	14	22-519	2-511	40863	18	25-816	4-435	40935	22	15-600	6-946	41007*	44	4-661	8-314	41079	15	0-436	10-836
40792	16	24-305	2-987	40864	18	1-276	5-895	40936	15	15-894	6-884	41008	13	4-700	8-275	41080	16	1-620	10-026
40793	39	0-774	3-970	40865	22	2-360	5-986	40937	20	16-149	6-546	41009	13	4-874	8-301	41081	16	2-207	10-206
40794	15	2-113	3-934	40866	37	2-525	5-262	40938	22	16-373	6-610	41010	46	7-634	8-173	41082	26	2-733	10-644
40795	22	2-400	3-959	40867	22	2-800	5-121	40939	10	16-778	6-950	41011*	57	7-774	8-079	41083	17	4-424	10-274
40796	21	2-492	3-236	40868	13	3-292	5-445	40940	21	16-828	6-850	41012	36	8-570	8-947	41084	10	4-948	10-459
40797	38	2-976	3-182	40869	35	3-830	5-857	40941	13	17-519	6-836	41013	22	9-496	8-156	41085	12	5-966	10-388
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40799	18	3-126	3-825	40871*	41	5-511	5-241	40943	11	19-090	6-865	41015	9	9-900	8-320	41087	22	6-874	10-306
40800	17	3-326	3-360	40872	14	5-796	5-434	40944	22	20-172	6-292	41016	17	10-094	8-999	41088	11	7-905	10-870
40801	19	3-391	3-188	40873*	56	5-884	5-354	40945	14	20-182	6-935	41017*	38	10-258	8-484	41089	23	8-467	10-076
40802	19	4-324	3-636	40874	38	5-908	5-680	40946	37	20-294	6-597	41018	12	11-084	8-508	41090	14	10-411	10-665
40803	23	4-640	3-625	40875*	55	5-948	5-030	40947	22	20-300	6-026	41019	25	12-199	8-285	41091	22	10-620	10-808
40804	25	5-535	3-795	40876*	42	6-447	5-070	40948*	55	20-390	6-758	41020	10	12-256	8-516	41092	22	12-180	10-614
40805	40	5-828	3-478	40877	15	6-845	5-799	40949*	36	21-039	6-124	41021	26	12-302	8-429	41093	12	12-644	10-022
40806	14	6-668	3-826	40878	12	7-251	5-050	40950	19	21-864	6-639	41022	38	12-744	8-848	41094	24	13-892	10-093
40807	17	6-828	3-782	40879*	36	7-562	5-640	40951	37	23-710	6-554	41023	11	12-814	8-716	41095	15	13-991	10-358
40808	25	6-948	3-064	40880*	42	8-154	5-794	40952	13	0-324	7-282	41024	15	15-650	8-236	41096*	66	14-019	10-302
40809	16	7-550	3-243	40881	16	8-390	5-546	40953	19	1-116	7-342	41025	23	16-425	8-976	41097	11	15-214	10-806
40810	22	7-844	3-336	40882	18	9-164	5-884	40954	14	1-380	7-782	41026	14	17-048	8-774	41098	23	16-004	10-596
40811	12	10-454	3-172	40883	17	9-628	5-276	40955	22	1-880	7-636	41027	22	17-138	8-432	41099	14	17-574	10-534
40812	15	12-960	3-208	40884	13	9-634	5-451	40956*	57	1-894	7-934	41028	13	18-235	8-216	41100	20	17-817	10-205
40813	36	13-056	3-203	40885	21	9-682	5-784	40957	19	2-236	7-056	41029*	35	19-252	8-272	41101	17	18-492	10-606
40814	14	15-460	3-426	40886	13	9-802	5-354	40958	15	2-270	7-694	41030	22	20-047	8-088	41102*	80	19-326	10-701
40815*	40	15-707	3-526	40887	23	10-828	5-316	40959	19	2-348	7-498	41031	24	20-340	8-308	41103	17	19-916	10-244
40816	16	17-474	3-838	40888	21	12-045	5-079	40960	24	2-414	7-639	41032*	57	20-406	8-537	41104	12	20-506	10-362
40817	12	18-424	3-399	40889	14	12-315	5-755	40961	15	3-427	7-220	41033	37	21-545	8-946	41105	17	22-010	10-034
40818	16	18-506	3-299	40890	16	12-476	5-520	40962	20	3-506	7-004	41034	16	21-546	8-024	41106	23	23-664	10-263
40819	12	18-652	3-834	40891	13	13-769	5-07												

41116	20	0.984	11.728	41188	11	22.106	12.074	41260	17	7.008	15.326	41332	16	21.194	16.844	41404*	39	16.498	18.955
41117	15	1.196	11.864	41189	20	1.386	13.960	41261	13	7.020	15.822	41333	40	23.865	16.146	41405	13	17.900	18.201
41118	17	1.532	11.066	41190	52	1.998	13.461	41262	15	7.100	15.152	41334	18	24.006	16.598	41406	16	18.026	18.835
41119	20	1.835	11.174	41191	19	2.072	13.274	41263	34	7.238	15.546	41335	13	24.894	16.775	41407	20	19.066	18.674
41120	20	3.091	11.364	41192	10	2.900	13.412	41264	19	8.588	15.521	41336	35	25.039	16.752	41408	13	19.524	18.475
41121	14	3.394	11.626	41193	17	3.018	13.257	41265	19	8.626	15.314	41337	15	25.811	16.582	41409	12	20.646	18.666
41122	19	3.801	11.120	41194	13	3.070	13.914	41266	13	8.774	15.580	41338	28	25.882	16.830	41410	14	20.688	18.290
41123	17	5.348	11.182	41195	11	3.100	13.645	41267	16	8.854	15.735	41339	21	25.904	16.976	41411	26	20.872	18.334
41124	33	5.851	11.776	41196	15	3.381	13.086	41268	15	9.015	15.882	41340	14	2.068	17.150	41412	25	21.066	18.158
41125	14	7.824	11.677	41197	18	3.504	13.386	41269	15	9.654	15.464	41341	12	2.364	17.316	41413	15	21.148	18.732
41126	15	8.951	11.935	41198	22	3.588	13.116	41270	14	12.076	15.557	41342	21	3.006	17.726	41414	14	22.278	18.174
41127	14	9.026	11.558	41199	22	4.492	13.417	41271	21	12.334	15.811	41343	26	3.014	17.735	41415	38	23.110	18.754
41128	13	9.712	11.288	41200	16	5.325	13.476	41272	20	13.202	15.654	41344*	96	3.050	17.700	41416	17	23.440	18.574
41129	17	9.806	11.910	41201	21	5.727	13.233	41273	14	14.119	15.764	41345	11	3.745	17.406	41417	18	23.608	18.605
41130	15	10.382	11.509	41202	21	8.164	13.124	41274	20	15.216	15.164	41346	22	3.804	17.685	41418	22	23.854	18.144
41131	19	10.830	11.697	41203	16	8.825	13.825	41275	24	18.254	15.196	41347	12	3.976	17.128	41419*	40	23.983	18.964
41132	15	11.471	11.684	41204*	46	11.704	13.022	41276	24	18.335	15.915	41348	15	4.536	17.716	41420	40	23.986	18.266
41133	21	12.094	11.472	41205	15	12.598	13.754	41277	11	18.806	15.400	41349	12	4.798	17.842	41421	13	24.789	18.514
41134	17	12.570	11.816	41206	21	14.446	13.954	41278	15	18.956	15.566	41350	14	5.066	17.527	41422	16	25.536	18.253
41135	11	14.272	11.094	41207	14	17.050	13.386	41279	13	19.345	15.545	41351	13	5.374	17.150	41423	32	0.543	19.836
41136	21	15.280	11.617	41208	16	18.751	13.684	41280	32	20.208	15.924	41352	13	5.406	17.284	41424	39	0.942	19.974
41137	14	15.408	11.935	41209	12	20.064	13.691	41281	35	20.782	15.226	41353	15	6.272	17.366	41425	20	1.862	19.526
41138	17	15.962	11.344	41210	15	20.104	13.040	41282	13	20.950	15.609	41354	18	6.324	17.195	41426	15	2.606	19.065
41139	11	16.400	11.506	41211	15	21.224	13.027	41283	16	20.964	15.138	41355	22	6.512	17.774	41427	30	2.906	19.150
41140	17	16.463	11.494	41212	23	22.617	13.096	41284	32	21.624	15.554	41356	14	8.237	17.026	41428	22	3.250	19.625
41141	18	16.588	11.153	41213	13	23.630	13.145	41285	14	21.885	15.535	41357	23	8.537	17.316	41429	10	3.296	19.334
41142	23	18.107	11.806	41214	30	25.686	13.586	41286	12	21.902	15.224	41358	21	8.908	17.454	41430	18	3.428	19.486
41143	27	18.163	11.545	41215	17	25.717	13.124	41287*	42	21.922	15.436	41359	16	9.714	17.984	41431	26	3.745	19.356
41144	23	19.726	11.166	41216	12	0.516	14.953	41288	22	22.160	15.418	41360	12	9.959	17.448	41432	10	3.872	19.718
41145	16	20.280	11.776	41217	22	1.790	14.944	41289	14	22.212	15.791	41361	23	11.121	17.252	41433	24	4.702	19.774
41146	26	20.462	11.686	41218*	44	2.318	14.294	41290	22	22.321	15.872	41362	13	11.736	17.214	41434	14	5.124	19.926
41147	39	20.798	11.761	41219	40	2.650	14.094	41291	14	22.926	15.834	41363	15	12.783	17.727	41435	11	5.500	19.095
41148	23	21.194	11.150	41220	21	4.282	14.361	41292	16	23.400	15.834	41364	15	14.055	17.416	41436	23	5.720	19.546
41149	9	21.970	11.233	41221	17	4.436	14.906	41293	23	24.332	15.703	41365*	41	14.838	17.632	41437	10	6.462	19.174
41150	18	24.026	11.616	41222	37	5.024	14.202	41294	30	24.600	15.598	41366*	57	15.704	17.778	41438	11	6.774	19.384
41151	20	24.314	11.156	41223	10	6.270	14.572	41295	20	24.834	15.846	41367	15	16.282	17.476	41439	40	7.876	19.138
41152	38	25.164	11.716	41224	28	7.076	14.884	41296	14	0.439	16.275	41368	14	17.248	17.334	41440	16	7.895	19.154
41153	14	25.682	11.724	41225	12	8.969	14.106	41297	14	0.834	16.175	41369*	58	19.066	17.570	41441	26	8.380	19.265
41154	19	25.698	11.348	41226	39	12.194	14.803	41298	18	1.006	16.430	41370	12	19.995	17.144	41442	16	8.631	19.296
41155	13	1.410	12.835	41227	18	12.757	14.528	41299	11	1.092	16.854	41371	11	21.334	17.214	41443	19	8.654	19.630
41156	34	1.556	12.936	41228	16	12.903	14.322	41300	21	1.179	16.078	41372	15	21.516	17.494	41444	12	8.818	19.914
41157	14	2.469	12.018	41229	22	12.924	14.382	41301	20	1.486	16.432	41373	14	21.981	17.606	41445	15	9.160	19.982
41158	34	2.671	12.664	41230*	43	13.410	14.676	41302	34	3.176	16.152	41374	22	22.386	17.625	41446	15	10.924	19.238
41159	18	3.026	12.076	41231	22	14.356	14.546	41303	38	3.406	16.536	41375	19	22.902	17.535	41447	16	11.184	19.466
41160	16	3.173	12.768	41232	17	14.361	14.854	41304	22	4.056	16.732	41376	19	24.324	17.723	41448	23	11.666	19.897
41161	18	3.670	12.836	41233	39	14.984	14.483	41305	28	4.386	16.550	41377	23	0.186	18.834	41449	17	11.942	19.662
41162*	79	3.874	12.541	41234	17	15.200	14.324	41306	28	4.500	16.750	41378	31	0.456	18.786	41450	16	12.030	19.397
41163	12	4.863	12.184	41235	16	15.781	14.550	41307	20	5.048	16.838	41379	16	0.636	18.805	41451	13	14.006	19.673
41164	19	6.810	12.206	41236	38	17.594	14.192	41308	13	5.262	16.306	41380	42	1.728	18.626	41452	17	14.500	19.216
41165	17	6.956	12.276	41237	42	18.119	14.116	41309	11	5.406	16.466	41381	20	2.506	18.744	41453	15	14.505	19.919
41166	21	7.565	12.934	41238	13	18.713	14.714	41310	21	5.705	16.500	41382	13	2.826	18.316	41454	34	14.574	19.490
41167	22	8.256	12.946	41239	19	19.002	14.706	41311	23	6.185	16.326	41383	20	3.235	18.144	41455	10	14.893	19.650
41168	32	8.524	12.650	41240	12	19.920	14.157	41312	15	6.240	16.605	41384	13	3.608	18.458	41456	10	14.953	19.945
41169	14	9.266	12.116	41241	12	19.973	14.200	41313	9	7.360	16.180	41385	27	4.446	18.814	41457	22	14.984	19.076
41170	22	9.740	12.338	41242	16	20.002	14.265	41314	36	7.736	16.116	41386	17	4.728	18.966	41458*	38	16.072	19.320
41171	34	10.338	12.708	41243	22	22.048	14.815	41315	14	10.701	16.482	41387	14	4.795	18.506	41459	11	16.764	19.304
41172	39	12.211	12.388	41244	21	22.048	14.566	41316	14	11.050	16.024	41388	21	5.500	18.576	41460	15	17.326	19.958
41173	17	13.137	12.280	41245	14	22.984	14.444	41317	27	12.638	16.870	41389	12	5.586	18.139	41461*	68	17.369	19.372
41174	19	14.509	12.915	41246	17	24.224	14.415	41318	17	13.512	16.980	41390	21	7.392	18.169	41462	24	17.584	19.356
41175	21	14.564	12.328	41247	22	24.354	14.658	41319	15	14.828	16.964	41391	46	8.900	18.814	41463	20	17.628	19.383
41176	19	15.331	12.383	41248	14	25.085	14.895	41320	20	15.162	16.749	41392*	37	9.764	18.086	41464	14	18.402	19.824
41177	16	15.950	12.707	41249	40	25.362	14.160	41321	15	16.723	16.225	41393	14	10.252	18.084	41465	14	1	

41476	21	25.552	19.156	41548	18	12.300	21.006	41620	20	20.934	22.312	41692	16	11.476	24.580	R.A. 8 ^h 52 ^m
41477	16	25.752	19.649	41549	10	12.840	21.317	41621	15	21.491	22.488	41693*	40	12.068	24.474	
41478	22	0.768	20.834	41550	11	13.386	21.124	41622	27	23.510	22.206	41694	19	12.138	24.940	Plate 2052; 1923 Feb. 8.
41479	22	1.556	20.291	41551	24	14.000	21.914	41623	31	24.191	22.766	41695	12	12.753	24.086	
41480	22	2.764	20.592	41552	12	14.044	21.374	41624	17	25.600	22.421	41696*	42	12.792	24.405	Provisional Constants.
41481	20	3.206	20.868	41553	15	14.175	21.404	41625	44	0.051	23.994	41697	15	12.910	24.595	
41482	38	3.409	20.642	41554	19	14.704	21.647	41626	30	0.458	23.738	41698	20	13.535	24.637	A B C -01763 +00866 -1433
41483	23	4.194	20.678	41555	23	15.494	21.398	41627*	54	2.135	23.073	41699	18	13.540	24.505	
41484	19	4.618	20.458	41556	17	17.140	21.074	41628	11	2.303	23.175	41700	15	14.091	24.334	D E F -00896 -01769 -2601
41485	34	4.720	20.264	41557	11	17.430	21.974	41629	16	2.636	23.813	41701	19	14.250	24.391	
41486	16	5.174	20.974	41558	19	17.502	21.606	41630	22	2.784	23.075	41702	11	15.364	24.498	Mag.=16.6-0.96√d
41487	18	5.456	20.446	41559	11	17.845	21.205	41631	18	2.839	23.974	41703	11	15.400	24.666	
41488	10	5.650	20.925	41560	15	18.228	21.163	41632	25	3.392	23.554	41704	12	15.445	24.100	No. d x y
41489	11	5.834	20.184	41561	16	18.281	21.664	41633	37	4.328	23.052	41705	24	16.388	24.328	
41490	21	6.608	20.738	41562	22	20.374	21.388	41634	24	4.624	23.270	41706	20	17.904	24.106	41751 25 1.508 0.839
41491	15	6.709	20.704	41563	16	21.265	21.394	41635	34	4.784	23.756	41707	17	20.116	24.330	41752 47 8.112 0.344
41492	11	8.286	20.100	41564	26	21.412	21.574	41636	22	5.434	23.692	41708	18	20.636	24.492	41753 10 12.415 0.350
41493	17	8.314	20.554	41565	13	21.654	21.780	41637	13	5.762	23.426	41709	19	22.652	24.376	41754 10 13.587 0.584
41494	16	8.974	20.676	41566	22	21.956	21.086	41638	19	6.304	23.286	41710	38	23.380	24.200	41755 40 13.726 0.808
41495	19	9.220	20.467	41567	20	23.146	21.473	41639	38	6.516	23.096	41711	18	23.472	24.136	41756 11 14.064 0.296
41496	15	9.388	20.055	41568	19	23.340	21.085	41640	13	6.935	23.511	41712	22	24.350	24.735	41757 27 19.860 0.828
41497	14	9.766	20.895	41569	12	23.422	21.338	41641	18	7.275	23.986	41713	22	1.431	25.020	41759 10 21.536 0.849
41498	22	10.014	20.170	41570	27	23.804	21.788	41642	10	8.166	23.428	41714	21	2.056	25.066	41760 11 23.220 0.048
41499	22	10.074	20.916	41571	14	24.250	21.980	41643*	42	8.302	23.936	41715	55	2.300	25.914	41761 15 23.724 0.775
41500	18	11.305	20.238	41572	15	24.255	21.174	41644	24	9.086	23.822	41716	39	2.416	25.505	41762 12 24.079 0.408
41501	13	11.548	20.124	41573	22	24.392	21.664	41645	31	9.173	23.720	41717	19	3.895	25.146	41763 62 25.956 0.593
41502	42	12.776	20.174	41574	16	24.628	21.544	41646	18	9.536	23.866	41718	36	5.656	25.544	41764 12 1.307 1.842
41503	20	12.800	20.312	41575	12	24.718	21.786	41647	30	9.566	23.941	41719	21	5.682	25.394	41765 13 3.800 1.350
41504	36	13.295	20.159	41576	39	0.522	22.010	41648	16	9.878	23.434	41720	18	5.881	25.324	41766 34 4.642 1.790
41505	23	13.779	20.535	41577	15	1.035	22.324	41649	30	10.172	23.184	41721	20	6.086	25.794	41767 9 5.808 1.332
41506	35	14.536	20.228	41578	14	1.182	22.850	41650	25	10.706	23.584	41722	12	6.907	25.741	41768 30 6.667 1.982
41507	19	15.546	20.225	41579	28	1.205	22.456	41651	13	10.832	23.854	41723	12	7.045	25.312	41769 25 6.676 1.780
41508	14	16.190	20.995	41580	13	2.053	22.475	41652	22	12.264	23.198	41724	25	7.056	25.598	41770 45 8.370 1.100
41509	20	17.106	20.766	41581	21	2.510	22.198	41653*	38	12.810	23.228	41725	24	8.744	25.354	41771 11 10.462 1.662
41510	15	17.836	20.238	41582	23	3.214	22.265	41654	22	13.862	23.694	41726	21	10.034	25.058	41772 31 10.956 1.792
41511	14	18.644	20.535	41583	26	3.278	22.584	41655	20	16.275	23.536	41727	17	11.896	25.692	41773 13 12.239 1.084
41512	23	18.652	20.132	41584	26	4.834	22.544	41656	24	16.320	23.928	41728	15	11.975	25.702	41774 31 13.720 1.726
41513	16	18.895	20.148	41585	37	4.869	22.294	41657	15	17.750	23.287	41729	23	13.042	25.834	41775 10 13.978 1.577
41514	14	19.029	20.496	41586	16	4.871	22.845	41658	13	18.436	23.375	41730	27	13.451	25.470	41776 9 15.791 1.828
41515	14	19.510	20.016	41587	24	4.930	22.131	41659	22	18.864	23.158	41731	12	14.313	25.028	41777 11 18.320 1.329
41516	14	19.768	20.155	41588	10	4.988	22.905	41660	17	18.866	23.748	41732	40	14.342	25.504	41778 11 19.868 1.412
41517	23	20.099	20.542	41589	22	5.144	22.078	41661	15	19.432	23.220	41733	23	15.204	25.356	41779* 63 23.422 1.610
41518	21	20.278	20.614	41590	19	8.493	22.970	41662	12	19.672	23.522	41734	23	15.398	25.487	41780 10 5.680 2.522
41519	15	20.458	20.609	41591	29	8.836	22.810	41663	13	20.665	23.858	41735	12	15.593	25.340	41781 42 6.068 2.033
41520	27	20.551	20.457	41592	11	8.852	22.453	41664	11	20.756	23.806	41736	20	15.684	25.071	41782 12 7.150 2.452
41521	13	22.231	20.896	41593	12	8.853	22.236	41665	12	21.028	23.464	41737	17	16.365	25.842	41783 10 11.604 2.750
41522	13	22.416	20.510	41594	26	9.128	22.286	41666	13	21.354	23.085	41738	15	16.426	25.080	41784 11 12.514 2.933
41523	12	22.439	20.646	41595	16	9.214	22.600	41667	23	21.540	23.618	41739	19	16.782	25.463	41785 24 12.878 2.500
41524	22	22.557	20.016	41596*	60	10.654	22.334	41668	11	21.544	23.284	41740	22	16.883	25.944	41786* 58 13.674 2.258
41525	13	23.434	20.424	41597	11	10.898	22.584	41669	24	23.382	23.389	41741	37	18.165	25.000	41787 17 14.385 2.968
41526	20	23.860	20.494	41598	31	11.646	22.676	41670	17	23.646	23.116	41742	37	19.549	25.294	41788 15 15.374 2.624
41527	13	25.462	20.197	41599	38	12.416	22.705	41671	40	25.140	23.141	41743	14	19.612	25.726	41789 9 16.896 2.555
41528	12	25.617	20.986	41600*	39	12.426	22.700	41672	12	25.618	23.714	41744	10	19.666	25.727	41790 13 17.604 2.156
41529	16	25.760	20.114	41601	11	12.505	22.107	41673	23	0.812	24.866	41745	17	20.786	25.287	41791 10 17.632 2.557
41530	17	25.780	20.308	41602	15	12.849	22.474	41674	21	1.458	24.795	41746	48	20.801	25.817	41792 24 18.588 2.486
41531	24	2.196	21.304	41603	22	13.146	22.993	41675	35	3.124	24.676	41747	14	21.264	25.626	41793 15 18.620 2.762
41532	16	3.616	21.656	41604	22	13.387	22.934	41676	17	3.846	24.686	41748	32	22.111	25.028	41794 36 23.610 2.270
41533	10	4.100	21.458	41605	12	14.327	22.072	41677	15	4.058	24.508	41				

41806	10	10.194	3.530	41878	32	5.118	7.535	41950	19	3.404	10.491	42022	50	13.066	13.610	42094	15	7.268	16.717
41807	24	10.858	3.350	41879	13	5.364	7.328	41951	16	5.216	10.510	42023	12	15.026	13.528	42095	11	7.338	16.450
41808	10	11.729	3.552	41880	28	5.648	7.242	41952	9	5.621	10.910	42024	14	15.250	13.280	42096	32	7.533	16.556
41809	34	11.820	3.054	41881	13	6.292	7.338	41953	17	5.766	10.064	42025	13	15.665	13.973	42097	20	7.550	16.491
41810	26	14.456	3.448	41882	44	7.235	7.395	41954	25	6.404	10.110	42026	14	16.222	13.450	42098	18	7.780	16.924
41811	26	15.330	3.680	41883	24	8.398	7.550	41955	15	7.588	10.486	42027	26	17.652	13.840	42099	10	8.101	16.000
41812	11	16.861	3.130	41884	13	9.512	7.050	41956	10	12.364	10.016	42028	37	20.684	13.619	42100	16	9.350	16.570
41813	23	17.984	3.729	41885	27	9.744	7.444	41957	9	13.247	10.327	42029	17	21.012	13.349	42101	49	9.400	16.275
41814	43	18.140	3.100	41886	22	10.050	7.572	41958	31	13.602	10.160	42030	34	21.250	13.989	42102	23	9.726	16.008
41815	11	18.243	3.063	41887	25	10.598	7.456	41959	10	14.734	10.480	42031	31	21.800	13.416	42103	20	11.434	16.550
41816	10	21.140	3.943	41888	14	11.467	7.406	41960	18	14.767	10.760	42032	16	0.108	14.881	42104	24	13.098	16.386
41817	17	22.804	3.810	41889	10	11.470	7.138	41961	23	15.410	10.598	42033	10	0.108	14.635	42105	14	13.930	16.450
41818	24	24.477	3.860	41890	10	13.926	7.429	41962	9	15.953	10.720	42034	9	2.276	14.456	42106	40	17.318	16.012
41819	13	2.286	4.492	41891	32	14.686	7.643	41963	22	16.174	10.773	42035	11	2.410	14.700	42107	19	18.098	16.185
41820	10	2.916	4.580	41892	16	15.582	7.620	41964	10	16.971	10.878	42036	34	3.410	14.188	42108	29	18.557	16.823
41821	11	3.743	4.460	41893	14	16.450	7.665	41965	10	17.072	10.066	42037	21	3.860	14.570	42109	45	18.678	16.798
41822	39	4.300	4.309	41894	56	18.514	7.193	41966	14	17.446	10.750	42038	93	7.532	14.134	42110	15	19.430	16.972
41823	19	6.726	4.540	41895	16	19.164	7.274	41967	31	17.758	10.170	42039	12	12.248	14.660	42111	10	19.524	16.979
41824	10	8.239	4.410	41896	34	19.510	7.595	41968	14	18.619	10.860	42040	10	13.336	14.334	42112	16	20.286	16.998
41825	13	8.328	4.102	41897	11	20.269	7.694	41969	31	18.790	10.658	42041	30	14.816	14.750	42113	28	22.702	16.480
41826	24	9.889	4.575	41898	10	20.500	7.830	41970	31	19.074	10.236	42042	28	14.882	14.714	42114	10	23.354	16.068
41827	31	11.384	4.494	41899	24	0.866	8.092	41971	13	20.510	10.796	42043	10	16.415	14.816	42115	15	25.582	16.425
41828	11	11.766	4.864	41900	34	0.885	8.860	41972	10	21.772	10.798	42044	10	16.640	14.300	42116	14	0.480	17.688
41829	14	12.652	4.286	41901	28	1.126	8.284	41973	15	22.282	10.999	42045	10	16.706	14.812	42117	10	1.000	17.592
41830	11	12.924	4.926	41902	10	1.853	8.114	41974	27	22.550	10.490	42046	31	17.735	14.120	42118	11	2.419	17.760
41831	24	13.196	4.960	41903	13	2.038	8.427	41975	12	22.599	10.032	42047	30	19.520	14.842	42119	10	4.412	17.214
41832	22	14.280	4.074	41904	13	4.487	8.990	41976	14	22.660	10.470	42048	10	19.900	14.170	42120	17	5.450	17.348
41833	10	15.935	4.030	41905	76	5.070	8.406	41977	32	3.182	11.746	42049	10	22.170	14.378	42121	41	7.704	17.992
41834	23	17.580	4.950	41906	23	6.442	8.690	41978	10	3.702	11.745	42050	9	25.616	14.482	42122	21	8.937	17.444
41835	39	18.204	4.617	41907	25	7.893	8.008	41979	14	3.714	11.371	42051	12	0.230	15.485	42123	10	9.272	17.327
41836	33	18.817	4.396	41908	10	7.962	8.653	41980	10	4.700	11.940	42052	20	0.395	15.938	42124	10	9.321	17.470
41837	14	20.692	4.400	41909	18	11.355	8.922	41981	10	5.986	11.322	42053	23	2.402	15.740	42125	42	9.734	17.720
41838	46	20.935	4.340	41910	29	12.250	8.147	41982	15	13.725	11.131	42054	20	2.670	15.632	42126	18	10.230	17.540
41839	89	22.054	4.120	41911	12	12.704	8.790	41983	27	14.978	11.788	42055	12	2.906	15.879	42127	20	10.255	17.240
41840	27	1.678	5.313	41912	25	12.744	8.188	41984	21	18.330	11.859	42056	11	4.423	15.118	42128	38	11.454	17.679
41841	41	4.667	5.781	41913	10	13.570	8.806	41985	28	19.194	11.614	42057	40	4.440	15.512	42129	127	11.493	17.562
41842	12	4.685	5.790	41914	11	13.656	8.244	41986	12	19.610	11.309	42058	14	5.184	15.870	42130	10	12.370	17.572
41843	25	5.917	5.018	41915	14	14.228	8.206	41987	29	19.686	11.022	42059	33	6.475	15.157	42131	26	12.403	17.060
41844	12	6.857	5.760	41916	22	14.458	8.450	41988	19	19.690	11.526	42060	9	7.670	15.528	42132	20	12.804	17.900
41845	13	10.547	5.400	41917	30	14.581	8.512	41989	26	19.788	11.025	42061	39	7.910	15.220	42133	10	13.070	17.525
41846	28	11.210	5.901	41918	10	14.990	8.080	41990	28	20.420	11.190	42062	11	8.260	15.226	42134	8	13.130	17.327
41847	15	11.752	5.695	41919	11	15.406	8.250	41991	12	20.848	11.348	42063	13	8.608	15.314	42135	22	13.790	17.800
41848	30	12.460	5.470	41920	20	16.500	8.642	41992	17	22.031	11.612	42064	32	9.074	15.048	42136	12	14.788	17.175
41849	30	15.730	5.164	41921	10	18.246	8.903	41993	26	23.798	11.046	42065	35	9.141	15.276	42137	10	16.558	17.090
41850	8	16.781	5.540	41922	27	18.730	8.430	41994	35	24.444	11.710	42066	9	9.968	15.797	42138	31	16.562	17.071
41851	12	16.939	5.442	41923	45	19.953	8.080	41995	13	6.310	12.830	42067	10	10.594	15.642	42139	10	16.958	17.358
41852	48	18.497	5.890	41924	10	23.282	8.142	41996	31	10.320	12.637	42068	10	10.870	15.564	42140	65	18.660	17.174
41853	12	20.156	5.368	41925	14	25.724	8.572	41997	52	10.814	12.486	42069	10	10.974	15.491	42141	9	19.515	17.110
41854	31	1.664	6.604	41926	12	25.824	8.670	41998	10	10.930	12.655	42070	10	11.754	15.320	42142	19	19.881	17.369
41855	10	4.030	6.784	41927	28	2.030	9.742	41999	33	11.544	12.642	42071	27	11.994	15.284	42143	10	22.120	17.616
41856	14	6.576	6.247	41928	14	3.234	9.163	42000	36	12.338	12.012	42072	13	12.460	15.624	42144	14	22.380	17.682
41857	12	6.952	6.774	41929	10	3.400	9.190	42001	23	13.632	12.180	42073	15	13.230	15.150	42145	14	24.320	17.960
41858	9	7.029	6.488	41930	20	4.632	9.784	42002	16	15.124	12.990	42074	17	14.438	15.352	42146	35	1.218	18.808
41859	10	7.228	6.626	41931	10	7.394	9.796	42003	38	15.309	12.430	42075	10	16.901	15.269	42147	13	1.546	18.622
41860	10	7.920	6.680	41932	20	9.800	9.765	42004	30	15.390	12.455	42076	15	17.090	15.700	42148	11	1.716	18.651
41861	22	7.950	6.046	41933	26	10.975	9.694	42005	26	15.771	12.260	42077	27	18.815	15.932	42149	15	1.954	18.186
41862	13	8.698	6.992	41934	11	11.499	9.850	42006	9	16.588	12.614	42078	46	19.100	15.009	42150	37	2.088	18.310
41863	11	9.837	6.080	41935	11	12.175	9.780	42007	24	19.718	12.668	42079	18	20.564	15.476	42151	10	3.640	18.276
41864	40	10.943	6.134	41936	10	12.696	9.336	42008	28	19.844	12.202	42080	10	21.480	15.992	42152	16	4.186	18.158
41865	21	11.566	6.130	41937	44	13.173	9.689	42009	11	20.338	12.818	42081	26	22.198	15.190	42153	14	4.792	18.024
41866	10	12.885	6.772	41938	10	15.016	9.394	42010	12	20.680	12.720	42082	30	22.466	15.010	42154	21	5.290	18.778
41867	17	16.540	6.250	41939	10	16.378	9.810	42011	26	23.185	12.029	42083	29	22.762	15.825	42155	36	7.332	18.878
41868	14	16.584	6.760	41940	21	17.121	9.366												

42166	34	25.650	18.415	42238	10	6.023	22.511	42310	13	8.210	25.986	42389	36	19.514	1.820	42461	11	21.158	4.896
42167	40	2.090	19.006	42239	16	6.030	22.524	42311	15	11.176	25.126	42390	8	24.443	1.643	42462	12	22.132	4.317
42168	12	3.666	19.180	42240	20	6.932	22.030	42312	14	15.283	25.590	42391	31	24.685	1.322	42463	10	24.160	4.034
42169	18	4.560	19.465	42241	28	10.232	22.230	42313	26	16.618	25.124	42392	10	24.844	1.660	42464	11	24.170	4.440
42170	13	7.683	19.490	42242	29	11.194	22.176	42314	46	18.476	25.504	42393	12	25.046	1.256	42465	34	24.197	4.544
42171	10	7.910	19.796	42243	13	11.285	22.815	42315	11	20.224	25.437	42394	10	0.154	2.198	42466	10	0.170	5.429
42172	26	14.058	19.838	42244	10	11.785	22.109	42316	14	21.480	25.743	42395	51	2.104	2.076	42467	27	5.395	5.374
42173	10	14.847	19.164	42245	29	12.017	22.234	42317	35	23.274	25.138	42396	36	2.304	2.734	42468	21	5.491	5.458
42174	10	15.584	19.078	42246	10	14.478	22.512	42318	19	24.104	25.280	42397	14	2.478	2.543	42469	32	6.615	5.424
42175	23	16.530	19.836	42247	10	14.616	22.325	42319	22	25.539	25.050	42398	12	3.246	2.656	42470	9	6.975	5.588
42176	29	16.760	19.199	42248	12	14.750	22.702					42399	11	5.360	2.300	42471	10	9.108	5.164
42177	11	17.663	19.856	42249	20	15.253	22.132					42400	44	6.160	2.728	42472	34	11.706	5.199
42178	10	17.900	19.520	42250	11	15.744	22.667					42401	14	8.627	2.492	42473	33	12.848	5.484
42179	11	18.409	19.104	42251	18	16.084	22.991					42402	13	9.054	2.638	42474	22	13.866	5.924
42180	15	18.910	19.362	42252	33	16.086	22.682					42403	11	10.616	2.059	42475	10	17.106	5.349
42181	16	21.382	19.818	42253	10	16.210	22.425					42404	13	11.665	2.096	42476	26	17.195	5.542
42182	11	23.048	19.112	42254	22	16.566	22.670					42405	11	13.106	2.800	42477	15	18.193	5.624
42183	27	25.206	19.098	42255	12	16.626	22.586					42406	27	13.148	2.534	42478	29	18.200	5.035
42184	14	0.680	20.079	42256	18	17.890	22.376					42407	12	17.020	2.290	42479	17	19.075	5.026
42185	10	4.250	20.290	42257	16	18.550	22.654					42408	11	17.280	2.718	42480	10	20.530	5.006
42186	14	5.192	20.950	42258	46	20.940	22.798					42409	9	18.326	2.096	42481	34	21.071	5.226
42187	20	5.229	20.470	42259	71	21.590	22.350					42410	10	18.634	2.390	42482	31	21.592	5.164
42188	19	6.510	20.570	42260	12	22.090	22.785					42411	23	18.900	2.690	42483	16	23.050	5.814
42189	10	6.890	20.612	42261	19	23.668	22.932					42412	19	18.916	2.699	42484	15	23.585	5.898
42190	23	7.376	20.013	42262	13	24.436	22.978					42413	10	19.106	2.810	42485	10	24.012	5.490
42191	34	9.730	20.056	42263	16	1.550	23.438					42414	23	20.058	2.204	42486	10	24.416	5.610
42192	12	9.764	20.020	42264	47	3.300	23.166					42415	39	20.258	2.246	42487	26	0.829	6.524
42193	10	11.367	20.313	42265	26	5.340	23.950					42416	10	20.733	2.370	42488	10	3.784	6.772
42194	32	14.200	20.756	42266	40	6.236	23.344					42417	32	21.038	2.083	42489	13	4.870	6.184
42195	34	14.584	20.638	42267	10	6.483	23.245					42418	40	2.413	3.218	42490	19	5.398	6.310
42196	16	15.808	20.591	42268	50	6.700	23.154					42419	12	3.748	3.345	42491	10	8.384	6.882
42197	10	16.090	20.190	42269	42	6.840	23.966					42420	10	5.140	3.583	42492	22	8.635	6.092
42198	10	16.628	20.970	42270	24	7.267	23.626					42421	10	5.553	3.559	42493	10	8.710	6.930
42199	11	16.842	20.645	42271	14	9.432	23.199					42422	10	5.934	3.762	42494	12	12.046	6.868
42200	24	18.160	20.440	42272	19	10.914	23.152					42423	10	6.932	3.944	42495	10	14.394	6.386
42201	15	18.652	20.477	42273	14	11.614	23.802					42424	30	7.130	3.144	42496	24	16.270	6.104
42202	19	19.280	20.436	42274	10	12.084	23.100					42425	31	7.710	3.105	42497	22	16.454	6.100
42203	18	22.700	20.018	42275	15	12.296	23.768					42426	12	8.392	3.364	42498	21	18.683	6.412
42204	14	23.424	20.396	42276	13	12.830	23.300					42427	10	8.790	3.270	42499	13	19.075	6.979
42205	12	24.885	20.966	42277	48	13.976	23.909					42428	10	10.102	3.550	42500	24	25.620	6.020
42206	10	0.098	21.156	42278	10	14.734	23.154					42429	19	13.815	3.805	42501	10	1.249	7.467
42207	11	1.290	21.524	42279	27	15.614	23.790					42430	16	13.834	3.568	42502	39	3.424	7.092
42208	21	1.952	21.833	42280	10	17.796	23.760					42431	18	13.945	3.823	42503	34	8.021	7.153
42209	11	2.396	21.214	42281	23	18.257	23.066					42432	32	17.022	3.118	42504	15	8.958	7.112
42210	15	2.538	21.700	42282	45	18.718	23.380					42433	10	17.716	3.301	42505	16	9.512	7.112
42211	15	5.098	21.880	42283	15	19.018	23.027					42434	32	18.295	3.932	42506	12	10.112	7.110
42212	14	6.002	21.214	42284	12	21.652	23.002					42435	22	19.000	3.668	42507	11	11.407	7.286
42213	16	7.264	21.680	42285	13	21.910	23.790					42436	10	20.770	3.244	42508	27	11.984	7.840
42214	27	9.171	21.066	42286	10	24.738	23.504					42437	31	21.018	3.366	42509	12	13.000	7.352
42215	13	9.210	21.209	42287	30	1.558	24.250					42438	12	22.448	3.153	42510	24	14.418	7.429
42216	10	9.656	21.528	42288	11	2.540	24.770					42439	10	24.394	3.161	42511	16	14.720	7.258
42217	12	9.840	21.592	42289	14	5.280	24.016					42440	12	25.394	3.112	42512	40	15.734	7.660
42218	12	10.742	21.164	42290	15	6.709	24.914					42441	82	0.763	4.603	42513	47	18.544	7.081
42219	30	14.500	21.365	42291	10	8.104	24.897					42442	10	1.193	4.606	42514	14	20.223	7.110
42220	21	15.225	21.052	42292	57	9.060	24.427					42443	25	1.517	4.280	42515	31	22.522	7.125
42221	14	15.704	21.554	42293	14	11.528	24.380					42444	30	3.190	4.315	42516	14	25.796	7.361
42222	10	17.023	21.412	42294	14	12.138	24.234					42445	10	8.458	4.426	42517	12	2.040	8.611
42223	23	18.088	21.576	42295	27	13.766	24.628					42446	10	9.117	4.512	42518	12	3.032	8.370
42224	54	18.260	21.867	42296	43	14.022	24.874					42447	10	11.525	4.075	42519	12	6.420	8.748
42225	10	18.800	21.610	42297	12	14.188	24.260					42448	35	12.992	4.896	42520	10	7.054	8.324
42226	14	20.314	21.800	42298	10	15.070	24.457					42449	32	13.116	4.786	42521	21	7.900	8.120
42227	59	20.834	21.960	42299	13	15.160	24.510					42450	37	13.640	4.289	42522	20	9.574	8.032
42228	58	21.006	21.815	42300	11	15.800	24.048					42451	33	14.918	4.800	42523	65	10.532	8.036
42229	22	23.277	21.464	42301	17	17.681	24.093					42452	10	15.219	4.906	42524	13	11.024	8.718
42230	100	24.892	21.336	42302	68	17.885	24.654					42453	10	15.344	4.380	42525	12	11.138	8.480
42231	18	1.664	22.256	42303	14	21.177	24.065					42454	13	15.514	4.800	42526	18	12.608	8.222
42232	22	2.351	22.804	42304	11	24.571	24.340					42455	12	15.928	4.160	42527	10	13.276	8.630
42233	10	3.756	22.440	42305	11	25.373	24.190					42456	36	18.094	4.661	42528	22	14.600	8.346
42234	15	5.598	22.316	42306	14	0.302	25.097					42457	10	18.746	4.068				

42533	10	21-131	8-730	42605	26	8-386	12-654	42677	10	9-642	15-266	42749	33	1-264	18-918	42821*	93	3-780	21-788
42534	18	21-383	8-626	42606	30	9-358	12-500	42678	25	10-268	15-144	42750	13	3-179	18-418	42822	12	4-483	21-573
42535	13	22-066	8-890	42607	10	9-746	12-444	42679	10	11-420	15-110	42751*	36	4-512	18-857	42823	13	6-030	21-410
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42538*	44	23-949	8-666	42610	30	13-272	12-237	42682	19	13-512	15-248	42754	10	7-811	18-358	42826	10	9-433	21-504
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42894	12	19.058	23.290	42952	13	3.479	0.870	43007	10	21.082	1.468	43079	13	21.242	3.656	43151	15	5.084	6.196
42895	22	19.950	23.800	42953	17	4.533	0.695	43008*	36	22.328	1.844	43080	12	23.227	3.220	43152	20	5.240	6.726
42896	23	20.614	23.782	42954	16	4.635	0.386	43009	47	24.988	1.406	43081	12	25.854	3.494	43153	19	5.472	6.459
42897	11	22.541	23.908	42955	12	4.799	0.818	43010	16	0.940	2.614	43082	13	1.580	4.310	43154	20	5.492	6.212
42898	23	23.334	23.348	42956	12	8.628	0.895	43011	10	1.415	2.481	43083	30	1.606	4.414	43155	16	6.268	6.012
42899	10	24.850	23.992	42957	11	8.692	0.816	43012	16	2.788	2.962	43084	11	3.296	4.443	43156	12	6.531	6.732
42900	10	25.904	23.446	42958	12	9.010	0.216	43013	13	3.855	2.060	43085	21	3.755	4.248	43157	12	7.084	6.223
42901	21	0.101	24.554	42959	22	9.180	0.291	43014	14	6.780	2.812	43086	20	3.942	4.813	43158	12	9.352	6.677
42902	10	0.370	24.830	42960	42	9.946	0.866	43015*	40	7.214	2.362	43087	11	4.946	4.536	43159*	37	10.277	6.026
42903	16	0.830	24.271	42961	12	11.870	0.540	43016	18	7.538	2.475	43088	25	5.075	4.208	43160	20	11.263	6.840
42904	22	3.498	24.794	42962	15	12.058	0.908	43017	24	8.026	2.255	43089	10	5.934	4.787	43161	13	13.240	6.106
42905	22	4.300	24.635	42963	19	12.745	0.252	43018	15	8.527	2.250	43090	12	6.632	4.130	43162	11	13.245	6.710
42906	10	5.342	24.584	42964	24	13.370	0.992	43019	14	8.878	2.792	43091	11	6.826	4.290	43163	10	13.569	6.942
42907	14	6.988	24.617	42965	29	13.570	0.444	43020	12	9.466	2.050	43092	15	6.959	4.666	43164*	69	15.975	6.039
42908	10	7.166	24.724	42966	15	15.080	0.732	43021	12	10.580	2.280	43093	20	8.797	4.330	43165	17	16.830	6.265
42909	10	7.615	24.930	42967	15	15.525	0.971	43022	17	10.951	2.318	43094	15	9.332	4.665	43166	24	17.107	6.960
42910	11	9.729	24.248	42968	12	17.300	0.646	43023*	19	11.101	2.617	43095	21	11.020	4.486	43167	12	17.304	6.754
42911	32	9.885	24.360	42969	17	17.386	0.508	43024	12	11.161	2.221	43096	36	11.825	4.857	43168*	39	17.361	6.648
42912	28	11.026	24.202	42970	18	17.632	0.376	43025	32	11.172	2.222	43097	13	12.403	4.986	43169	31	17.423	6.968
42913	33	11.835	24.124	42971	10	18.176	0.478	43026	10	11.555	2.817	43098	10	13.638	4.016	43170	20	17.970	6.250
42914	13	14.005	24.356	42972	32	19.248	0.502	43027	9	11.884	2.169	43099	10	15.602	4.862	43171	22	18.480	6.186
42915	12	14.375	24.180	42973	10	19.389	0.248	43028	39	11.950	2.869	43100	15	16.276	4.500	43172	15	18.485	6.443
42916	10	18.294	24.510	42974	15	20.253	0.805	43029*	44	13.248	2.054	43101*	35	17.696	4.022	43173	20	18.596	6.936
42917	10	18.321	24.506	42975	11	20.420	0.832	43030	20	13.699	2.518	43102	14	18.546	4.602	43174	34	18.728	6.233
42918	29	19.704	24.752	42976	19	23.355	0.800	43031	24	13.955	2.010	43103	15	18.720	4.324	43175	36	18.770	6.869
42919	11	21.780	24.346	42977	35	24.574	0.614	43032	17	14.240	2.596	43104	12	19.098	4.594	43176	20	18.832	6.619
42920	31	22.482	24.478	42978	12	1.815	1.506	43033	32	15.070	2.310	43105	22	19.260	4.790	43177	11	20.429	6.957
42921	10	23.144	24.942	42979	31	2.050	1.182	43034	17	15.480	2.834	43106	20	19.455	4.274	43178	10	21.084	6.436
42922	31	24.194	24.987	42980	14	2.216	1.518	43035	12	15.498	2.735	43107	10	19.670	4.570	43179	10	21.274	6.429
42923	10	24.196	24.942	42981	14	2.414	1.114	43036	9	16.339	2.500	43108	9	19.764	4.592	43180	19	21.450	6.440
42924	19	24.430	24.124	42982	9	2.874	1.604	43037	16	16.860	2.182	43109	10	19.881	4.669	43181*	33	21.708	6.920
42925	20	24.445	24.991	42983	22	4.389	1.438	43038	17	16.890	2.111	43110	21	20.396	4.819	43182	12	21.781	6.846
42926	10	24.704	24.423	42984	14	6.714	1.924	43039	9	17.448	2.463	43111*	36	21.276	4.516	43183	24	22.055	6.940
42927	27	25.236	24.966	42985	38	7.074	1.125	43040	14	19.634	2.522	43112	25	22.478	4.250	43184	12	22.244	6.197
42928	37	2.209	25.606	42986	14	7.724	1.352	43041	12	20.016	2.583	43113	14	25.271	4.981	43185	22	23.268	6.154
42929	29	3.042	25.740	42987	15	7.814	1.274	43042	13	22.297	2.806	43114	25	25.696	4.526	43186	10	23.628	6.230
42930	32	4.476	25.495	42988	22	8.745	1.077	43043	15	23.028	2.190	43115	14	25.925	4.051	43187	20	23.772	6.466
42931	10	5.062	25.526	42989	10	9.444	1.779	43044	32	24.465	2.430	43116	12	25.998	4.488	43188	11	23.992	6.356
42932	10	5.200	25.280	42990	19	9.618	1.168	43045	14	24.710	2.546	43117	16	0.481	5.698	43189	40	24.874	6.662
42933	20	7.642	25.108	42991	12	9.675	1.429	43046	11	1.566	3.905	43118	15	1.016	5.774	43190	21	25.661	6.072
42934	10	11.412	25.642	42992	32	9.828	1.437	43047	13	4.549	3.405	43119	12	1.440	5.359	43191	10	0.353	7.184
42935	26	11.500	25.241	42993	19	11.456	1.856	43048	13	4.626	3.488	43120	14	1.842	5.474	43192	20	1.554	7.896
42936	27	12.492	25.111	42994	15	12.090	1.430	43049*	58	4.618	3.043	43121	10	2.909	5.172	43193	12	2.699	7.869
42937	24	12.791	25.319	42995	33	12.500	1.205	43050	10	5.414	3.253	43122	21	3.054	5.865	43194	13	3.230	7.985
42938	12	13.262	25.018	42996	9	13.310	1.232	43051	12	5.470	3.274	43123	22	4.868	5.805	43195	15	3.248	7.206
42939	11	14.230	25.650	42997	18	15.275	1.941	43052	20	6.908	3.781	43124	12	5.875	5.534	43196	21	3.872	7.557
42940	10	16.458	25.933	42998	22	16.937	1.233	43053	17	6.997	3.336	43125	19	6.855	5.494	43197*	29	5.148	7.456
42941	10	17.690	25.104	42999	34	17.112	1.938	43054	23	7.244	3.423	43126	20	7.094	5.566	43198	11	8.074	7.078
42942	19	17.896	25.446	43000	25	17.584	1.362	43055	19	7.770	3.624	43127	12	7.789	5.863	43199	11	11.437	7.128
42943	26	17.918	25.988	43001	40	17.972	1.666	43056	14	8.349	3.576	43128	17	8.213	5.662	43200	22	11.952	7.300
42944	35	18.326	25.750	43002	20	19.338	1.074	43057	15	8.386	3.614	43129	11	9.456	5.694	43201	12	12.512	7.255
42945	10	21.469	25.895	43003	14	19.656	1.351	43058	12	8.460	3.830	43130	24	10.082	5.662	43202	11	12.864	7.148
42946*	37	23.136	25.304	43004	11	20.572	1.990	43059	16	8.984	3.035	43131	22	11.810	5.316	43203	12	13.406	7.816
42947	10	23.640	25.634	43005	13	20.970	1.999	43060	22	9.450	3.531	43132	16	13.394	5.525	43204	12	13.761	7.441
42948	18	25.210	25.136					43061	21	9.962	3.363	43133	10	14.070	5.742	43205	10	14.085	7.330
								43062	20	11.040	3.016	43134	17	14.092	5.850	43206	15	14.230	7.749
								43063	23	11.042	3.516	43135	12	15.320	5.632	43207	17	15.820	7.355
								43064	20	11.152	3.094	43136	21	15.618	5.219	43208	15	15.998	7.765
								43065	11	12.114	3.954	43137*	49	19.176	5.160	43209	10	16.704	7.286
								43066	13	12.443	3.480	43138	13	19.491	5.701	43210	11	17.266	7.322
								43067	10	12.985	3.184	43139	11	20.802	5.546	43211	15	17.396	7.657
								43068	9	14.009	3.564	43140	11	21.144	5.396	43212	23	18.850	7.139
								43069	11	15.670	3.571	43141	18	22.574	5.454	43213	13	19.624	7.374
								43070*	40	16.594	3.950	43142	25	24.358	5.215	43214	15	19.868	7.484
								43071	17	18.164	3.734	43143	10	24.401	5.920	43215	10	19.961	7.924
								43072	20	18.716	3.278	43144	20	25.190	5				

43222	11	22-935	7-060	43294	10	9-495	10-485	43366	11	9-928	12-669	43438	10	0-844	14-430	43510	24	9-210	16-935
43223	9	23-410	7-210	43295*	28	9-730	10-292	43367	10	10-812	12-080	43439	13	1-382	14-876	43511	22	9-329	16-132
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43228*	42	1-416	8-535	43300	10	12-866	10-270	43372	17	14-877	12-915	43444	11	5-940	14-452	43516	21	15-985	16-925
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43233*	30	6-238	8-330	43305	14	19-716	10-522	43377	10	16-816	12-868	43449	12	12-778	14-902	43521	29	20-224	16-098
43234*	60	7-589	8-918	43306	23	20-358	10-870	43378	25	17-130	12-196	43450	24	13-487	14-468	43522	20	20-856	16-468
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43284																			

43582	16	21.875	18.503	43654	13	19.639	20.577	43726	12	24.202	22.817	43798	18	24.992	24.180	43870	15	19.245	0.918
43583	17	22.436	18.339	43655	20	20.328	20.215	43727	10	25.183	22.160	43799	17	0.156	25.985	43871	21	20.266	0.544
43584	11	22.536	18.497	43656	16	20.906	20.118	43728	14	1.016	23.226	43800	37	0.844	25.186	43872	10	21.526	0.204
43585	15	23.412	18.905	43657	16	22.015	20.401	43729	17	2.126	23.984	43801	10	1.266	25.642	43873	12	23.428	0.970
43586	10	24.935	18.553	43658	14	22.336	20.356	43730	10	2.544	23.848	43802	12	1.355	25.508	43874	19	24.366	0.898
43587	10	1.206	19.736	43659	12	23.598	20.086	43731	11	3.589	23.286	43803	12	1.770	25.708	43875	8	24.526	0.968
43588	42	1.334	19.024	43660	9	23.742	20.212	43732	12	3.610	23.566	43804	14	1.845	25.364	43876	12	24.802	0.432
43589	13	1.740	19.534	43661	10	23.750	20.791	43733	14	3.902	23.456	43805	26	6.950	25.592	43877	45	3.329	1.572
43590	12	4.065	19.636	43662	19	24.320	20.263	43734	28	6.196	23.640	43806	13	8.800	25.940	43878	10	3.344	1.261
43591	22	4.171	19.573	43663	15	24.640	20.662	43735	12	6.825	23.414	43807	36	9.237	25.604	43879	11	4.409	1.322
43592	12	4.438	19.502	43664	12	24.916	20.178	43736	14	6.853	23.381	43808	21	9.466	25.153	43880	21	5.233	1.076
43593	10	4.508	19.316	43665	17	25.030	20.045	43737	14	7.220	23.946	43809	12	10.672	25.420	43881	23	5.397	1.625
43594	11	4.547	19.615	43666	12	25.180	20.559	43738	10	7.515	23.303	43810	20	12.090	25.720	43882	20	5.682	1.759
43595	16	4.790	19.565	43667	17	25.572	20.264	43739	20	8.595	23.487	43811	10	12.498	25.992	43883	18	7.668	1.668
43596	15	5.180	19.850	43668	10	25.745	20.548	43740	18	8.639	23.874	43812	12	12.512	25.066	43884	12	8.124	1.658
43597	11	5.818	19.968	43669	19	0.020	21.962	43741	14	10.260	23.116	43813	20	14.212	25.904	43885	19	8.133	1.600
43598	11	8.010	19.202	43670	12	0.086	21.690	43742	35	10.587	23.224	43814	22	15.540	25.014	43886	14	8.539	1.032
43599	28	9.060	19.847	43671	10	0.250	21.452	43743	19	10.824	23.370	43815	27	15.760	25.262	43887	12	8.797	1.347
43600	12	9.342	19.954	43672	33	1.894	21.972	43744	20	11.002	23.226	43816	14	15.860	25.600	43888	8	9.828	1.027
43601	35	9.535	19.391	43673	24	2.336	21.126	43745	15	12.505	23.646	43817	12	17.180	25.999	43889	10	11.165	1.902
43602	10	9.730	19.772	43674	49	2.952	21.239	43746	14	12.786	23.734	43818	14	17.634	25.794	43890	18	13.028	1.397
43603	24	10.305	19.562	43675	20	3.650	21.949	43747	24	13.102	23.749	43819	13	19.902	25.562	43891	9	14.347	1.940
43604	20	12.250	19.812	43676	19	5.375	21.303	43748	11	14.396	23.251	43820	45	20.280	25.554	43892	16	14.441	1.965
43605	10	14.445	19.664	43677	35	6.415	21.474	43749	12	14.740	23.238	43821	22	21.440	25.066	43893	40	15.582	1.788
43606	21	16.690	19.112	43678	12	6.750	21.000	43750	11	15.570	23.348	43822	12	21.652	25.227	43894	40	16.344	1.520
43607	28	16.748	19.724	43679	18	7.518	21.202	43751	14	18.404	23.830	43823	25	21.672	25.260	43895	15	17.740	1.904
43608	14	17.160	19.970	43680	10	7.956	21.433	43752	10	18.572	23.005	43824	25	23.493	25.735	43896	51	18.050	1.792
43609	15	17.295	19.884	43681	24	8.265	21.950	43753	22	21.318	23.478	43825	19	24.820	25.020	43897	14	18.306	1.022
43610	11	18.002	19.892	43682	15	8.406	21.464	43754	28	23.332	23.450	43826	42	25.788	25.343	43898	8	19.428	1.702
43611	17	18.048	19.155	43683	33	8.462	21.543	43755	16	23.494	23.708					43899	30	19.626	1.197
43612	12	19.972	19.421	43684	9	9.156	21.300	43756	24	24.399	23.665					43900	9	20.470	1.426
43613	18	20.424	19.651	43685	27	9.160	21.094	43757	20	0.179	24.370					43901	11	20.476	1.906
43614	13	20.445	19.070	43686	31	10.364	21.981	43758	11	0.848	24.820					43902	9	20.626	1.715
43615	21	20.764	19.916	43687	17	11.056	21.546	43759	22	1.900	24.852					43903	10	20.720	1.642
43616	16	20.976	19.447	43688	14	12.648	21.235	43760	13	1.904	24.808					43904	9	23.683	1.278
43617	28	22.228	19.842	43689	34	12.884	21.580	43761	18	2.153	24.854					43905	33	24.813	1.501
43618	16	23.290	19.320	43690	10	15.566	21.897	43762	12	2.402	24.282					43906	32	0.676	2.042
43619	20	24.065	19.864	43691	10	16.280	21.331	43763	18	2.918	24.985					43907	9	1.382	2.381
43620	11	24.278	19.094	43692	20	17.990	21.350	43764	26	2.942	24.816					43908	31	2.822	2.602
43621	17	24.486	19.216	43693	11	18.602	21.087	43765	42	4.230	24.976					43909	14	3.070	2.714
43622	22	24.724	19.811	43694	25	19.474	21.445	43766	12	4.425	24.480					43910	9	4.882	2.292
43623	19	1.070	20.962	43695	35	23.954	21.722	43767	12	5.182	24.572					43911	8	6.340	2.730
43624	10	3.252	20.334	43696	12	24.186	21.080	43768	19	5.258	24.050					43912	24	8.483	2.660
43625	10	3.828	20.104	43697	20	24.626	21.450	43769	16	5.828	24.284					43913	88	8.830	2.300
43626	20	4.195	20.360	43698	16	24.942	21.964	43770	19	7.080	24.837					43914	21	11.152	2.561
43627	12	4.764	20.336	43699	18	25.013	21.760	43771	19	7.184	24.680					43915	39	11.316	2.303
43628	22	5.636	20.988	43700	12	1.052	22.234	43772	10	7.366	24.884					43916	14	11.556	2.703
43629	22	6.030	20.670	43701	20	1.628	22.098	43773	12	7.375	24.306					43917	9	11.982	2.025
43630	14	6.760	20.540	43702	20	2.955	22.252	43774	15	8.928	24.970					43918	22	12.668	2.730
43631	18	6.870	20.590	43703	15	3.070	22.845	43775	33	9.080	24.824					43919	10	12.862	2.882
43632	16	7.860	20.814	43704	10	3.318	22.529	43776	21	11.185	24.472					43920	13	13.413	2.676
43633	16	8.001	20.350	43705	12	5.432	22.640	43777	15	12.860	24.611					43921	9	14.907	2.476
43634	15	9.065	20.155	43706	9	7.030	22.804	43778	19	13.044	24.936					43922	11	15.928	2.622
43635	21	9.705	20.545	43707	12	8.526	22.472	43779	13	13.240	24.370					43923	27	16.948	2.031
43636	11	9.881	20.116	43708	24	9.080	22.673	43780	13	14.007	24.484					43924	14	17.417	2.022
43637	11	11.020	20.256	43709	12	9.714	22.536	43781	22	14.319	24.720					43925	20	17.488	2.420
43638	33	11.311	20.599	43710	12	10.378	22.198	43782	10	14.914	24.837					43926	44	17.532	2.612
43639	15	11.656	20.305	43711	29	12.324	22.506	43783	14	14.965	24.480					43927	14	18.054	2.104
43640	12	12.071	20.324	43712	14	12.778	22.562	43784	16	15.426	24.279					43928	19	18.596	2.093
43641	12	12.098	20.677	43713	10	13.912	22.964	43785	13	15.923	24.104					43929	31	19.117	2.182
43642	19	12.315	20.740	43714	23	14.100	22.659	43786	10	16.926	24.460					43930	24	20.996	2.942
43643	13	12.426	20.226	43715	15	14.531	22.990	43787	23	17.028	24.922					43931	25	21.082	2.018
43644	10	14.130	20.137	43716	15	14.637	22.045	43788	25	18.595	24.786					43932	24	21.093	2.360
43645	18	14.520	20.206	43717	24	15.885	22.289	43789	18	18.687	24.956					43933	16	21.820	2.143
43646	12	14.696	20.514	43718	15	16.278	22.154	43790	11	20.402	24.049					43934	11	22.693	2.622
43647	13	15.026	20.365	43719	20	17.490	22.006	43791	14	21.706	24.696					43935	9	22.884	2.940
43648	14	15.064	20.578	43720	12	19.072	22.264	437											

43942	16	25.717	2.884	44014	16	0.972	5.648	44086*	44	23.206	6.190	44158	26	21.574	8.760	44230	19	3.648	11.000
43943	14	0.660	3.004	44015	24	2.749	5.387	44087*	49	23.292	6.418	44159	8	22.040	8.341	44231	9	4.235	11.368
43944	11	1.598	3.407	44016	20	3.583	5.541	44088	10	24.626	6.722	44160	25	23.778	8.738	44232	25	4.922	11.882
43945	10	4.228	3.648	44017	19	3.614	5.550	44089	12	24.780	6.487	44161	8	24.320	8.946	44233	9	5.232	11.464
43946	14	4.954	3.650	44018	14	3.662	5.143	44090	14	25.642	6.629	44162	11	25.058	8.852	44234	9	6.098	11.986
43947	22	6.142	3.711	44019	20	4.874	5.701	44091	11	25.888	6.106	44163*	70	1.286	9.226	44235	11	7.174	11.124
43948*	60	6.201	3.782	44020	19	7.304	5.460	44092	35	0.122	7.124	44164	17	2.178	9.867	44236	9	7.352	11.478
43949	20	7.190	3.316	44021	30	7.309	5.437	44093	9	0.197	7.052	44165	14	2.578	9.342	44237	14	7.524	11.399
43950	16	7.344	3.724	44022	12	7.764	5.774	44094	15	0.269	7.721	44166	20	3.540	9.727	44238	17	7.639	11.133
43951	20	7.606	3.820	44023	27	8.093	5.479	44095	8	0.363	7.614	44167	17	3.722	9.922	44239	20	8.640	11.693
43952	12	8.807	3.136	44024	13	9.932	5.609	44096	27	0.467	7.142	44168	12	5.232	9.983	44240	11	8.856	11.052
43953	20	8.838	3.244	44025	10	10.030	5.372	44097	9	2.481	7.292	44169*	35	7.535	9.110	44241	34	8.930	11.852
43954	8	8.952	3.962	44026	18	10.599	5.017	44098*	37	4.870	7.412	44170	30	8.238	9.754	44242	20	10.344	11.587
43955	13	8.996	3.963	44027	11	11.880	5.768	44099*	30	5.418	7.656	44171	20	8.535	9.908	44243	27	10.726	11.410
43956	20	9.735	3.878	44028*	31	12.437	5.907	44100	9	5.929	7.197	44172	31	8.967	9.408	44244	29	12.543	11.044
43957	16	10.210	3.807	44029	10	12.840	5.698	44101	18	5.945	7.806	44173	19	9.374	9.134	44245	19	12.678	11.076
43958	14	10.257	3.762	44030	18	13.790	5.084	44102*	67	6.081	7.405	44174	8	10.357	9.032	44246	18	12.718	11.107
43959	14	11.618	3.934	44031	10	14.475	5.080	44103	11	6.560	7.401	44175	20	10.399	9.842	44247	13	13.072	11.372
43960	32	12.982	3.599	44032	27	15.217	5.692	44104	9	7.156	7.718	44176	11	11.606	9.700	44248	21	13.164	11.430
43961	31	12.990	3.978	44033	14	15.401	5.416	44105*	34	8.675	7.120	44177	10	15.297	9.966	44249	28	13.946	11.606
43962*	33	13.451	3.734	44034	9	15.886	5.428	44106	30	8.710	7.940	44178	31	16.063	9.355	44250	8	14.392	11.778
43963	14	14.115	3.686	44035	18	17.049	5.474	44107	25	8.868	7.627	44179	17	16.856	9.177	44251	28	14.990	11.790
43964	8	15.914	3.210	44036	24	17.896	5.716	44108	22	9.131	7.831	44180	10	18.678	9.348	44252	32	16.442	11.587
43965	17	18.882	3.062	44037	12	18.267	5.960	44109	16	10.168	7.642	44181	10	19.424	9.293	44253*	46	17.665	11.285
43966	9	19.338	3.056	44038	13	18.289	5.185	44110	9	10.613	7.256	44182	33	19.983	9.196	44254	16	17.750	11.248
43967	10	19.690	3.464	44039	31	19.650	5.446	44111*	57	11.211	7.076	44183	8	20.334	9.322	44255	20	17.766	11.233
43968	9	19.709	3.881	44040	9	20.618	5.442	44112	10	11.508	7.774	44184	21	20.456	9.673	44256	10	17.882	11.114
43969	12	20.402	3.962	44041	11	20.860	5.787	44113	9	12.008	7.464	44185	20	20.506	9.784	44257	24	18.106	11.776
43970	9	20.534	3.663	44042	19	21.214	5.660	44114	12	13.379	7.315	44186	8	20.782	9.348	44258	25	18.550	11.751
43971	15	20.700	3.133	44043	20	22.042	5.597	44115	9	13.387	7.398	44187	15	21.184	9.765	44259	9	19.066	11.336
43972	11	22.674	3.957	44044	10	23.472	5.243	44116	18	13.712	7.654	44188	20	21.280	9.213	44260	25	19.332	11.078
43973	12	22.760	3.522	44045	9	23.733	5.296	44117	8	14.232	7.818	44189	8	21.782	9.438	44261	19	20.226	11.858
43974	17	23.094	3.707	44046	8	23.918	5.800	44118	22	14.952	7.098	44190	9	25.378	9.250	44262	20	20.586	11.150
43975	14	25.734	3.304	44047	15	24.478	5.268	44119	10	16.334	7.087	44191	12	25.410	9.068	44263	8	20.522	11.632
43976	14	25.856	3.898	44048	21	25.338	5.112	44120	19	16.386	7.068	44192	24	25.644	9.028	44264	30	20.684	11.370
43977	25	0.858	4.446	44049	20	1.672	6.342	44121	12	16.619	7.922	44193	9	25.754	9.892	44265	8	20.698	11.554
43978	8	2.365	4.260	44050	8	2.037	6.413	44122	10	17.228	7.778	44194	22	1.034	10.978	44266	9	21.520	11.184
43979	26	4.082	4.682	44051	15	2.182	6.647	44123	20	17.706	7.760	44195	23	1.202	10.674	44267	10	22.735	11.460
43980	17	4.306	4.204	44052	12	2.400	6.536	44124	11	17.746	7.080	44196	22	1.582	10.190	44268	14	23.033	11.682
43981	14	4.384	4.639	44053	10	2.802	6.093	44125*	49	18.126	7.518	44197	20	1.630	10.892	44269	9	23.664	11.738
43982	10	4.977	4.186	44054*	43	3.284	6.828	44126	24	18.158	7.444	44198	26	2.052	10.747	44270	32	24.014	11.976
43983	20	6.296	4.320	44055	20	4.065	6.228	44127	9	18.548	7.262	44199	25	2.124	10.692	44271	26	24.073	11.647
43984	23	6.312	4.228	44056	20	4.438	6.865	44128	20	18.635	7.607	44200	26	3.202	10.585	44272	22	24.247	11.286
43985	9	6.474	4.576	44057*	66	5.170	6.860	44129	10	19.538	7.588	44201	31	3.353	10.368	44273	11	24.367	11.063
43986	8	8.801	4.766	44058	9	5.844	6.042	44130*	39	20.044	7.454	44202	13	3.410	10.122	44274	8	25.730	11.316
43987	9	9.177	4.035	44059	12	6.176	6.800	44131	22	20.374	7.546	44203	12	4.248	10.773	44275	9	1.090	12.323
43988	18	9.690	4.472	44060	20	6.290	6.466	44132	10	22.424	7.190	44204	20	4.332	10.098	44276	13	1.964	12.295
43989	27	10.186	4.180	44061	25	6.483	6.148	44133	9	22.930	7.476	44205	9	5.217	10.093	44277	9	2.232	12.214
43990	14	10.532	4.137	44062	9	6.775	6.262	44134	14	23.260	7.862	44206	10	5.561	10.996	44278	14	3.112	12.828
43991	9	11.168	4.308	44063	14	7.703	6.176	44135	14	25.475	7.266	44207	13	6.214	10.690	44279	13	3.970	12.306
43992	9	11.624	4.077	44064	12	7.806	6.532	44136	25	0.923	8.178	44208	11	7.037	10.326	44280	9	3.979	12.197
43993	11	12.639	4.607	44065	9	8.297	6.284	44137	8	0.987	8.396	44209	25	7.422	10.909	44281	13	4.275	12.564
43994	8	13.772	4.440	44066	11	8.679	6.870	44138	22	1.192	8.800	44210	10	8.046	10.885	44282	11	5.616	12.996
43995	21	14.025	4.781	44067	10	8.936	6.944	44139	10	1.478	8.526	44211	11	11.114	10.571	44283	11	5.866	12.710
43996	10	14.073	4.316	44068	10	11.296	6.551	44140	10	1.494	8.987	44212	11	12.356	10.326	44284	24	8.452	12.956
43997	10	15.187	4.684	44069	17	11.682	6.118	44141	22	4.931	8.078	44213	22	12.502	10.582	44285*	69	9.528	12.322
43998	9	15.972	4.556	44070	8	13.132	6.676	44142	16	5.407	8.439	44214	31	12.814	10.244	44286	8	10.895	12.630
43999*	32	16.080	4.443	44071	9	15.514	6.412	44143	13	5.494	8.858	44215	10	12.816	10.432	44287	22	10.913	12.989
44000	8	16.363	4.089	44072	12	17.128	6.216	44144	17	7.162	8.378	44216	17	14.440	10.572	44288	9	11.165	12.386
44001	9	17.284	4.264	44073	33	17.339	6.292	44145	14	7.194	8.199	44217	14	15.435	10.342	44289	30	11.916	12.557
44002	37	18.007	4.100	44074	24	18.008	6.457	44146	25	7.768	8.165	44218*	30	16.724	10.654	44290*	59	12.358	12.466
44003*	40	18.222	4.716	44075	11	18.322	6.794	44147	14	8.199	8.615	44219	19	17.458	10.122	44291	24	13.224	12.576
44004	27	20.245	4.510	44076	9	18.642	6.958	44148	33	8.572	8.171	44220	20	17.846	10.426	44292	32	13.332	12.793
44005	14	20.587	4.546	44077	22														

44302	11	18.673	12.388	44374	9	16.890	14.278	44446	17	15.832	16.998	44518	37	13.726	18.394	44590	20	4.644	20.436
44303	18	19.346	12.964	44375	8	17.708	14.576	44447	9	16.474	16.598	44519	10	14.217	18.487	44591	14	5.770	20.692
44304	10	19.702	12.318	44376	13	19.450	14.395	44448	17	16.912	16.500	44520	11	14.346	18.032	44592	11	5.775	20.688
44305	8	20.207	12.033	44377	11	20.537	14.582	44449	15	17.470	16.868	44521	11	14.877	18.452	44593	20	6.023	20.030
44306	24	20.582	12.763	44378	13	21.019	14.574	44450	25	17.800	16.263	44522	9	15.797	18.394	44594	18	6.064	20.113
44307	24	20.645	12.046	44379	10	21.302	14.194	44451	25	18.010	16.804	44523	10	15.964	18.356	44595	15	7.540	20.199
44308	11	20.834	12.730	44380	31	21.305	14.746	44452	17	18.640	16.290	44524	39	16.040	18.686	44596	14	7.808	20.174
44309	11	21.122	12.214	44381	41	25.216	14.693	44453	16	19.198	16.614	44525	30	16.100	18.314	44597	20	8.548	20.076
44310	24	23.372	12.089	44382	44	25.324	14.703	44454	21	19.966	16.372	44526	39	16.471	18.802	44598	11	10.949	20.232
44311	9	23.972	12.678	44383	26	25.777	14.388	44455	9	20.470	16.176	44527	13	16.865	18.636	44599	17	12.312	20.822
44312	42	24.608	12.874	44384	9	0.247	15.128	44456	14	21.270	16.799	44528	16	17.343	18.543	44600	15	12.516	20.320
44313	38	24.842	12.071	44385	25	0.260	15.726	44457	25	21.405	16.898	44529	35	17.409	18.750	44601	14	12.651	20.582
44314	42	24.849	12.324	44386	10	0.922	15.100	44458	12	21.489	16.300	44530	16	17.684	18.717	44602	60	13.695	20.455
44315	12	24.901	12.370	44387	9	1.552	15.992	44459	32	22.644	16.698	44531	17	17.894	18.430	44603	11	14.340	20.624
44316	36	0.378	13.353	44388	12	1.973	15.292	44460	36	23.073	16.968	44532	37	19.178	18.270	44604	10	14.553	20.558
44317	22	0.717	13.980	44389	29	2.124	15.473	44461	33	23.073	16.976	44533	9	19.660	18.956	44605	33	15.130	20.736
44318	10	1.590	13.590	44390	24	2.318	15.414	44462	11	24.607	16.880	44534	12	20.103	18.475	44606	15	15.674	20.166
44319	9	1.618	13.704	44391	11	2.678	15.760	44463	20	2.782	17.884	44535	10	20.732	18.914	44607	17	15.695	20.196
44320	14	3.855	13.143	44392	25	4.978	15.772	44464	10	3.831	17.829	44536	16	21.434	18.258	44608	39	16.388	20.886
44321	13	4.858	13.514	44393	20	5.022	15.616	44465	25	4.468	17.944	44537	9	22.125	18.300	44609	72	16.493	20.828
44322	8	6.037	13.741	44394	18	5.067	15.410	44466	17	4.572	17.424	44538	8	22.812	18.537	44610	17	16.690	20.161
44323	20	6.082	13.318	44395	9	6.694	15.992	44467	21	5.142	17.500	44539	22	23.266	18.894	44611	18	17.632	20.658
44324	25	6.110	13.236	44396	18	6.934	15.400	44468	13	5.356	17.020	44540	20	23.996	18.097	44612	12	18.322	20.866
44325	9	6.299	13.089	44397	15	7.036	15.964	44469	15	5.594	17.351	44541	16	25.144	18.842	44613	12	19.566	20.804
44326	20	7.122	13.508	44398	16	9.344	15.177	44470	10	6.184	17.830	44542	10	1.862	19.506	44614	12	20.294	20.914
44327	38	7.288	13.811	44399	8	10.630	15.468	44471	11	6.274	17.258	44543	11	1.980	19.089	44615	8	20.410	20.153
44328	9	9.753	13.842	44400	20	11.180	15.187	44472	28	6.442	17.513	44544	16	3.056	19.387	44616	11	20.779	20.211
44329	10	10.501	13.382	44401	18	11.379	15.138	44473	11	6.766	17.112	44545	25	3.298	19.978	44617	25	21.056	20.800
44330	88	12.054	13.177	44402	31	11.598	15.532	44474	10	6.834	17.384	44546	44	6.870	19.601	44618	32	22.175	20.021
44331	38	12.335	13.781	44403	40	11.998	15.866	44475	34	7.944	17.713	44547	20	8.439	19.882	44619	19	23.108	20.310
44332	21	12.660	13.394	44404	11	15.815	15.840	44476	33	7.983	17.808	44548	39	8.500	19.696	44620	24	23.323	20.220
44333	11	12.979	13.378	44405	8	15.840	15.393	44477	20	8.360	17.788	44549	13	9.424	19.918	44621	11	23.428	20.957
44334	10	13.582	13.576	44406	41	16.194	15.752	44478	9	9.237	17.246	44550	8	9.634	19.882	44622	11	23.634	20.727
44335	8	14.382	13.768	44407	36	16.638	15.932	44479	12	9.558	17.588	44551	22	9.682	19.970	44623	8	23.944	20.928
44336	21	14.770	13.323	44408	24	16.875	15.144	44480	10	9.657	17.804	44552	10	10.618	19.574	44624	36	2.552	21.899
44337	9	15.166	13.306	44409	8	18.924	15.501	44481	13	9.894	17.298	44553	10	10.802	19.204	44625	11	2.783	21.256
44338	41	15.596	13.374	44410	20	19.077	15.134	44482	20	10.556	17.280	44554	10	10.895	19.753	44626	22	3.225	21.621
44339	11	16.964	13.056	44411	9	19.270	15.020	44483	11	11.114	17.842	44555	12	11.957	19.841	44627	22	3.616	21.924
44340	13	17.131	13.214	44412	10	20.287	15.050	44484	10	11.600	17.316	44556	32	11.986	19.325	44628	20	5.144	21.163
44341	9	17.368	13.667	44413	14	20.998	15.836	44485	29	11.781	17.993	44557	32	12.115	19.970	44629	40	5.814	21.738
44342	19	18.469	13.530	44414	25	21.612	15.384	44486	29	12.494	17.388	44558	18	13.400	19.704	44630	9	6.882	21.492
44343	11	19.103	13.636	44415	66	21.656	15.205	44487	13	13.623	17.072	44559	11	13.480	19.920	44631	12	6.972	21.939
44344	8	19.601	13.854	44416	10	22.143	15.556	44488	10	14.215	17.370	44560	10	15.252	19.624	44632	40	8.126	21.272
44345	16	21.504	13.338	44417	29	23.075	15.569	44489	16	14.304	17.093	44561	15	16.235	19.872	44633	19	8.149	21.260
44346	13	23.766	13.806	44418	29	23.174	15.671	44490	9	16.179	17.261	44562	13	16.244	19.916	44634	20	8.393	21.685
44347	12	24.583	13.636	44419	9	24.769	15.952	44491	20	16.834	17.618	44563	32	16.750	19.181	44635	17	9.236	21.942
44348	14	25.136	13.583	44420	32	25.961	15.080	44492	39	17.114	17.217	44564	40	17.178	19.914	44636	14	10.687	21.417
44349	10	25.426	13.860	44421	8	2.210	16.040	44493	36	17.292	17.246	44565	13	19.900	19.042	44637	24	11.452	21.381
44350	26	0.253	14.200	44422	22	2.718	16.367	44494	11	18.078	17.900	44566	21	21.934	19.847	44638	28	12.020	21.808
44351	14	2.318	14.994	44423	20	2.731	16.336	44495	8	19.806	17.543	44567	27	22.062	19.338	44639	8	15.103	21.713
44352	14	4.235	14.084	44424	8	2.903	16.721	44496	9	20.932	17.960	44568	9	22.976	19.094	44640	15	16.595	21.313
44353	10	4.282	14.098	44425	22	4.085	16.433	44497	18	20.962	17.248	44569	23	23.066	19.992	44641	10	17.412	21.168
44354	30	4.363	14.131	44426	9	4.664	16.070	44498	9	21.930	17.966	44570	10	23.080	19.093	44642	8	17.567	21.419
44355	22	4.569	14.300	44427	9	4.847	16.552	44499	14	22.220	17.832	44571	9	24.078	19.742	44643	11	19.978	21.025
44356	30	5.393	14.940	44428	26	5.428	16.778	44500	9	22.535	17.088	44572	9	24.814	19.350	44644	42	20.014	21.962
44357	12	5.498	14.495	44429	14	5.556	16.495	44501	58	24.390	17.159	44573	13	25.308	19.062	44645	31	20.343	21.658
44358	8	5.728	14.948	44430	13	5.680	16.976	44502	12	0.152	18.250	44574	16	25.809	19.756	44646	42	21.530	21.344
44359	22	6.610	14.584	44431	29	6.216	16.080	44503	26	0.285	18.630	44575	15	0.600	20.604	44647	28	22.358	21.582
44360	19	7.306	14.354	44432	17	7.266	16.492	44504	19	0.415	18.468	44576	30	0.803	20.040	44648	25	23.861	21.309
44361	31	7.492	14.256	44433	54	8.708	16.243	44505	16	0.436	18.707	44577	9	0.923	20.554	44649	10	24.859	21.297
44362	12	7.551	14.716	44434	9	9.713	16.553	44506	14	0.996	18.538	44578	11	2.180	20.267	44650	10	1.162	22.738
44363	13	8.436	14.063	44435	32	10.234	16.651	44507	8	1.098	18.692	44579	9	2.324	20.392	44651	9	1.515	22.588

44662	13	9.308	22.804	44734	19	7.247	24.954	<div>R.A. 9^h 24^m</div> <div>Plate 2053 ; 1923 Feb. 8.</div> <div>Provisional Constants.</div> <div>A B C</div> <div>—01774 +00754 +2655</div> <div>D E F</div> <div>—00804 —01780 —2451</div> <div>Mag.=15.9—0.96√d</div>	44856*	41	7.146	44915	11	4.964	8.312
44663	10	9.720	22.571	44735	8	7.459	24.165		44857	9	7.182	44929	11	5.488	8.123
44664*	44	9.868	22.370	44736	8	7.917	24.532		44858	11	7.925	44930*	40	7.123	8.489
44665	10	10.087	22.038	44737	30	8.037	24.506		44859	9	9.280	44931	26	7.723	8.254
44666	11	10.394	22.940	44738*	54	8.298	24.769		44860*	40	10.942	44932	24	8.736	8.309
44667	11	10.844	22.637	44739	20	9.537	24.040		44861	11	12.325	44933	11	9.070	8.972
44668	28	11.258	22.525	44740	14	9.606	24.380		44862	16	13.525	44934	14	10.658	8.763
44669	19	11.537	22.273	44741	9	9.950	24.887		44863	14	17.886	44935	15	10.868	8.968
44670	24	11.714	22.876	44742	19	9.959	24.638		44864	18	17.956	44936	13	19.244	8.918
44671	21	12.320	22.968	44743	12	10.269	24.466		44865	12	18.436	44937	20	19.412	8.065
44672	32	13.352	22.422	44744	11	11.364	24.164	44866	15	20.654	44938	12	19.857	8.970	
44673	16	13.967	22.133	44745	16	12.044	24.202	44867	28	23.603	44939	9	21.043	8.934	
44674	12	14.924	22.327	44746	20	12.201	24.674	44868	28	24.370	44940	9	21.710	8.950	
44675	8	15.630	22.598	44747	10	13.647	24.599	44869	20	0.534	44941	10	23.166	8.258	
44676	9	16.530	22.628	44748	8	13.926	24.320	44870	10	0.671	44942	10	23.729	8.539	
44677	19	17.331	22.845	44749	18	16.217	24.142	44871	9	3.100	44943	40	25.054	8.878	
44678	10	17.499	22.742	44750	12	16.524	24.351	44872	17	3.957	44944	20	4.326	9.046	
44679	10	18.090	22.042	44751	17	16.900	24.997	44873*	47	5.550	44945	14	5.220	9.682	
44680	10	18.516	22.907	44752	16	18.258	24.850	44874	10	6.183	44946	14	7.537	9.839	
44681	10	18.613	22.120	44753	32	19.319	24.502	44875	18	7.850	44947*	32	11.080	9.498	
44682	17	18.752	22.466	44754	14	19.486	24.506	44876	21	9.170	44948	17	11.829	9.175	
44683	21	19.121	22.754	44755	11	23.331	24.610	44877	16	10.904	44949	12	11.891	9.361	
44684	14	20.271	22.474	44756	28	23.602	24.474	44878	10	12.592	44950	23	12.091	9.014	
44685	9	20.625	22.055	44757	11	24.218	24.574	44879	8	13.077	44951	19	12.780	9.652	
44686	20	21.966	22.820	44758	12	25.003	24.552	44880	12	14.110	44952	13	13.652	9.596	
44687	12	23.891	22.900	44759	12	25.294	24.529	44881	12	14.332	44953	19	14.526	9.926	
44688	32	1.955	23.636	44760	30	0.086	25.275	44882	14	14.640	44954	23	17.754	9.777	
44689	10	2.124	23.892	44761	10	0.306	25.435	44883	10	17.436	44955	13	22.866	9.276	
44690	24	3.025	23.836	44762	25	0.321	25.466	44884	14	19.382	44956	8	25.617	9.172	
44691	14	4.894	23.515	44763	20	0.856	25.172	44885*	40	22.367	44957	17	4.027	10.274	
44692	11	5.920	23.872	44764	29	2.146	25.918	44886	23	0.684	44958	9	6.576	10.864	
44693	31	6.158	23.336	44765	9	3.334	25.568	44887*	44	1.840	44959	13	8.144	10.367	
44694	10	6.253	23.482	44766	19	3.372	25.069	44888*	48	1.928	44960	22	13.728	10.419	
44695	11	6.287	23.682	44767	18	3.464	25.185	44889	8	3.273	44961	13	13.977	10.925	
44696	19	7.176	23.520	44768	42	4.431	25.496	44890	9	3.424	44962	19	14.484	10.012	
44697	15	7.469	23.748	44769	8	5.780	25.014	44891	12	4.286	44963	20	14.812	10.149	
44698	10	8.123	23.612	44770	14	5.844	25.992	44892	9	4.526	44964	12	15.980	10.072	
44699	23	8.472	23.217	44771	42	6.558	25.482	44893	17	6.060	44965	10	16.371	10.960	
44700	20	9.052	23.187	44772	20	7.080	25.951	44894	13	6.154	44966	17	16.627	10.400	
44701	11	9.448	23.148	44773	31	7.858	25.258	44895*	35	8.197	44967	10	16.849	10.394	
44702	11	9.812	23.218	44774	9	7.864	25.890	44896*	33	9.644	44968	10	17.204	10.630	
44703	28	11.140	23.204	44775	8	8.312	25.934	44897*	21	10.174	44969	21	18.900	10.788	
44704	16	12.012	23.482	44776	10	8.358	25.948	44898	8	12.076	44970	9	18.934	10.886	
44705	9	12.240	23.656	44777	9	8.686	25.362	44899*	38	12.504	44971	17	19.446	10.037	
44706	12	12.430	23.834	44778	13	8.994	25.622	44900	11	13.033	44972	27	23.584	10.161	
44707	8	12.967	23.825	44779	24	9.684	25.328	44901	9	14.888	44973	21	23.715	10.333	
44708	10	14.920	23.906	44780	14	11.326	25.165	44902	8	17.161	44974	21	24.584	10.676	
44709	12	15.404	23.878	44781	9	12.464	25.231	44903	16	20.802	44975	22	2.796	11.690	
44710	25	16.550	23.614	44782	19	13.375	25.387	44904	9	21.341	44976	13	2.813	11.007	
44711	24	16.822	23.102	44783	8	13.688	25.662	44905	30	22.882	44977	19	2.964	11.325	
44712	20	16.910	23.878	44784	17	14.982	25.129	44906	8	23.495	44978	23	5.558	11.576	
44713	22	17.304	23.430	44785	26	15.522	25.634	44907	28	23.874	44979	11	7.356	11.702	
44714	20	17.623	23.857	44786	31	15.678	25.904	44908*	48	24.104	44980*	40	9.946	11.160	
44715	22	17.740	23.620	44787	23	15.903	25.232	44909	16	25.346	44981	22	10.038	11.748	
44716	13	17.842	23.744	44788	11	17.142	25.099	44910	27	25.724	44982	8	10.508	11.646	
44717	9	18.028	23.536	44789	11	19.380	25.079	44911	9	1.926	44983	17	14.076	11.765	
44718	15	18.222	23.120	44790	20	19.715	25.094	44912	10	4.129	44984	11	15.628	11.118	
44719	25	18.792	23.497	44791	8	20.158	25.333	44913	28	5.550	44985*	74	16.643	11.309	
44720	25	19.854	23.540	44792	16	22.989	25.348	44914	15	6.039	44986	23	19.408	11.918	
44721	8	22.009	23.480	44793	8	24.154	25.986	44915	12	7.624	44987	31	21.494	11.868	
44722	20	22.420	23.574	44794	9	24.194	25.792	44916	18	11.017	44988*	51	22.297	11.094	
44723	9	23.026	23.038	44795	20	24.374	25.649	44917	18	12.170	44989*	40	22.814	11.264	
44724	10	24.584	23.486	44796	8	24.540	25.206	44918	16	14.354	44990	12	23.555	11.177	
44725	14	24.712	23.638	44797	8	25.542	25.316	44919	25	15.580	44991	22	2.102	12.143	
44726	12	25.353	23.246	4474											

R.A. 9^h 32^m

Plate 1933; 1922 Feb. 27.

Provisional Constants.

A	B	C
-0.1737	+0.0999	+0.6427

D	E	F
-0.0977	-0.1761	-0.1411

Mag. = 16.8 - 0.96√d

45000	10	6.420	12.840	45072	22	21.628	15.084	45144	32	10.772	19.822	45216	32	20.017	22.298
45001	10	7.498	12.902	45073	17	21.742	15.072	45145	17	10.816	19.648	45217	24	20.022	22.328
45002	10	9.117	12.704	45074	25	21.982	15.058	45146	31	12.310	19.617	45218	22	25.156	22.670
45003	9	10.482	12.465	45075	18	22.758	15.492	45147	11	12.370	19.612	45219	12	1.336	23.640
45004	17	10.540	12.344	45076	21	0.216	16.984	45148	23	13.728	19.926	45220	8	4.502	23.670
45005	9	17.249	12.359	45077	31	1.450	16.762	45149	46	13.946	19.792	45221	12	5.892	23.612
45006	10	17.306	12.472	45078	31	6.078	16.402	45150	12	14.564	19.456	45222	10	5.915	23.478
45007	23	19.124	12.070	45079	39	6.383	16.518	45151	15	15.936	19.979	45223	27	7.854	23.940
45008	19	24.510	12.502	45080	27	7.761	16.572	45152	16	16.104	19.557	45224	9	10.964	23.802
45009	9	3.340	13.670	45081	12	8.100	16.873	45153	8	16.330	19.522	45225	36	11.714	23.210
45010	19	6.830	13.639	45082	24	8.517	16.276	45154	15	16.427	19.438	45226	11	12.032	23.426
45011	21	8.491	13.522	45083	13	9.090	16.206	45155	18	16.942	19.318	45227	20	12.422	23.341
45012	8	8.582	13.624	45084	9	10.410	16.724	45156	16	17.802	19.219	45228	18	12.425	23.666
45013	8	9.286	13.232	45085	23	12.750	16.186	45157	19	18.250	19.541	45229	9	13.904	23.834
45014	11	12.702	13.811	45086	10	13.563	16.922	45158	24	18.447	19.274	45230	24	15.456	23.000
45015	14	13.610	13.962	45087	29	14.613	16.875	45159	32	18.453	19.288	45231	59	20.818	23.035
45016	8	15.338	13.035	45088	23	15.134	16.432	45160	9	21.175	19.318	45232	14	20.958	23.604
45017	20	15.862	13.118	45089	19	16.796	16.626	45161	24	21.348	19.303	45233	10	23.214	23.304
45018	10	15.875	13.656	45090	11	16.924	16.636	45162	8	22.285	19.046	45234	26	23.303	23.465
45019	24	16.066	13.835	45091	19	17.252	16.052	45163	9	22.285	19.342	45235	30	23.698	23.074
45020	23	18.845	13.570	45092	15	19.218	16.180	45164	14	22.392	19.634	45236	8	24.642	23.680
45021	51	19.308	13.222	45093	8	20.918	16.424	45165	26	22.467	19.708	45237	25	24.822	23.685
45022	31	20.354	13.660	45094	14	21.077	16.430	45166	24	23.592	19.668	45238	23	2.534	24.519
45023	42	20.389	13.030	45095	9	21.517	16.175	45167	29	1.034	20.093	45239	9	3.936	24.578
45024	76	21.147	13.151	45096	65	25.216	16.623	45168	18	1.924	20.048	45240	10	4.226	24.549
45025	32	22.154	13.305	45097	42	1.882	17.028	45169	18	2.184	20.271	45241	9	5.944	24.060
45026	12	23.970	13.970	45098	57	3.199	17.195	45170	9	8.384	20.253	45242	19	7.319	24.510
45027	26	0.080	14.834	45099	19	4.858	17.822	45171	16	8.968	20.727	45243	12	8.402	24.077
45028	35	4.016	14.718	45100	18	6.444	17.972	45172	19	9.133	20.925	45244	17	9.776	24.217
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45031	8	8.342	14.342	45103	39	12.260	17.792	45175	8	10.249	20.623	45247	20	14.694	24.442
45032	8	8.370	14.162	45104	11	12.899	17.885	45176	20	10.386	20.474	45248	45	17.380	24.158
45033	11	12.508	14.908	45105	11	13.696	17.153	45177	9	10.400	20.965	45249	10	17.950	24.800
45034	9	13.188	14.780	45106	15	15.040	17.072	45178	9	10.877	20.875	45250	34	20.585	24.591
45035	13	13.251	14.702	45107	41	15.660	17.093	45179	44	13.048	20.070	45251	17	21.814	24.005
45036	33	13.434	14.603	45108	9	15.964	17.393	45180	8	16.478	20.708	45252	9	25.029	24.430
45037	16	13.602	14.550	45109	27	18.022	17.962	45181	29	16.923	20.972	45253	10	25.564	24.114
45038	20	15.443	14.180	45110	35	21.106	17.597	45182	22	18.978	20.283	45254	18	3.327	25.684
45039	8	17.930	14.170	45111	12	23.842	17.336	45183	39	19.256	20.002	45255	10	4.866	25.196
45040	9	18.588	14.347	45112	19	2.106	18.947	45184	44	20.800	20.336	45256	18	6.536	25.277
45041	14	19.033	14.759	45113	41	2.822	18.138	45185	43	25.386	20.481	45257	13	6.580	25.925
45042	53	19.776	14.822	45114	11	3.984	18.866	45186	52	25.819	20.610	45258	21	6.744	25.683
45043	34	20.550	14.856	45115	9	5.404	18.194	45187	42	0.408	21.426	45259	10	7.788	25.142
45044	23	21.366	14.868	45116	14	5.949	18.876	45188	19	1.243	21.650	45260	12	8.493	25.122
45045	20	22.358	14.640	45117	41	6.572	18.905	45189	20	2.740	21.352	45261	24	9.144	25.516
45046	28	22.764	14.092	45118	31	9.036	18.794	45190	19	5.617	21.392	45262	19	10.370	25.432
45047	10	23.586	14.870	45119	10	10.366	18.092	45191	10	5.910	21.787	45263	16	10.493	25.628
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45049	21	0.396	15.466	45121	12	10.526	18.892	45193	92	8.240	21.138	45265	26	14.289	25.998
45050	68	0.434	15.288	45122	30	13.874	18.824	45194	26	9.676	21.954	45266	32	15.740	25.740
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45052	23	1.962	15.726	45124	9	16.813	18.956	45196	28	14.250	21.831	45268	12	16.852	25.221
45053	30	4.737	15.090	45125	17	18.348	18.278	45197	31	14.411	21.430	45269	49	17.357	25.172
45054	9	8.198	15.814	45126	30	18.693	18.869	45198	14	16.822	21.085	45270	10	18.773	25.343
45055	28	8.399	15.850	45127	23	20.694	18.936	45199	10	23.272	21.085	45271	10	19.086	25.465
45056	17	8.744	15.250	45128	39	20.994	18.912	45200	10	23.984	21.754				
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45059	11	10.220	15.000	45131	19	24.608	18.244	45203	9	25.100	21.380				
45060	27	10.442	15.173	45132	19	25.020	18.036	45204	12	0.873	22.892				
45061	56	11.657	15.309	45133	14	0.790	19.922	45205	28	5.632	22.887				
45062	30	12.094	15.508	45134	21	0.910	19.410	45206	11	6.453	22.046				
45063	10	14.259	15.440	45135	9	4.153	19.082	45207	10	9.313	22.239				
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45066	9	17.950	15.852	45138	8	6.479	19.318	45210	34	10.414	22.972				
45067	34	18.074	15.805	45139	38	6.682	19.130	45211	22	11.390	22.113				
45068	33	19.533	15.314	45140	12	7.024	19.094	45212	8	11.478	22.666				
45069	30	19.740	15.252	45141	12	7.390	19.520	45213	8	14.222	22.078				
45070	8	19.957	15.477	45142	14	8.813	19.110	45214	67	17.864	22.252				
45071	8	20.425	15.211	45143	12	9.726	19.898	45215	30	19.417	22.315				

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45301	34	1.258	0.724
45302	69	1.698	0.124
45303	32	4.195	0.396
45304	12	5.886	0.790
45305	32	6.106	0.000
45306	10	6.131	0.800
45307	35	7.717	0.934
45308	46	8.414	0.374
45309	35	10.406	0.200
45310	39	11.439	0.086
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45312	18	12.984	0.814
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45314	14	13.533	0.165
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45316	40	14.569	0.084
45317	46	14.816	0.826
45318	37	16.925	0.925
45319	29	16.972	0.098
45320	20	17.528	0.804
45321	41	18.912	0.414
45322	12	21.058	0.420
45323	38	21.322	0.756
45324	38	21.429	0.494
45325	40	21.800	0.916
45326	33	21.980	0.390
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45328	28	23.764	0.772
45329	38	24.266	0.414
45330	31	2.529	1.574
45331	15	2.826	1.697
45332	78	3.497	1.904
45333	18	3.804	1.056
45334	37	3.898	1.754
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45336	26	8.350	1.676
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45338	44	8.778	1.943
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45340	19	10.982	1.554
45341	35	11.916	1.964
45342	28	12.343	1.684
45343	40	12.390	1.241
45344	17	12.894	1.498
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45353	18	20.324	1.694
45354	38	21.376	1.655
45355	39	21.706	1.806

45356	44	25-268	1-214	45428*	39	16-078	4-936	45500	20	8-819	7-269	45572	15	22-621	9-033	45644	14	14-047	12-685
45357	42	25-741	1-386	45429*	39	17-170	4-190	45501*	63	9-694	7-926	45573	39	23-206	9-562	45645	18	16-378	12-003
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45743	30	1-236	16-242	45815	20	17-764	18-352	45887	21	13-068	21-474	45959	18	20-219	23-610				
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45745	37	3-956	16-996	45817	15	19-406	18-765	45889	23	14-850	21-405	45961	15	21-799	23-865				
45746*	82	3-978	16-996	45818	17	19-618	18-966	45890	23	14-856	21-620	45962	16	21-806	23-784				
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45748	22	5-158	16-984	45820	14	20-956	18-296	45892	38	16-282	21-606	45964	37	23-224	23-330				
45749*	38	5-799	16-052	45821	24	23-226	18-776	45893	20	18-226	21-105	45965	36	23-722	23-225				
45750*	38	8-136	16-856	45822	19	24-614	18-925	45894	28	18-650	21-356	45966	28	24-263	23-132				
45751	34	9-256	16-844	45823*	39	24-994	18-104	45895	21	18-974	21-094	45967	21	25-324	23-586				
45752	23	9-364	16-976	45824	38	0-156	19-742	45896	27	20-682	21-924	45968	38	25-764	23-308				
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45771	28	4-280	17-015	45843*	40	20-346	19-094	45915	15	11-258	22-276	45987	15	13-230	24-376				
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45774	14	6-342	17-864	45846	13	25-466	19-968	45918	12	12-476	22-928	45990	20	16-076	24-673				
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45782	14	13-615	17-753	45854	46	5-377	20-986	45926	22	22-527									

46075	12	21.310	0.294	46147	16	22.342	3.440	46219	22	11.754	6.170	46291	30	23.043	8.053	46363	21	18.340	11.939
46076	31	21.544	0.524	46148*	55	22.360	3.927	46220	18	12.594	6.255	46292	34	23.344	8.146	46364	14	18.392	11.150
46077	12	22.580	0.390	46149*	71	22.977	3.250	46221	11	13.582	6.580	46293	18	24.760	8.980	46365	29	18.825	11.606
46078	25	23.004	0.581	46150	13	23.392	3.777	46222	15	13.793	6.002	46294	26	25.024	8.896	46366	12	19.650	11.357
46079	10	23.354	0.385	46151*	46	0.421	4.600	46223	10	14.161	6.220	46295	32	0.168	9.755	46367*	39	20.618	11.016
46080	29	25.150	0.397	46152	13	2.860	4.256	46224	21	14.470	6.590	46296	11	0.059	9.234	46368	18	21.009	11.036
46081	42	2.100	1.378	46153	14	5.330	4.332	46225	14	14.650	6.430	46297	18	3.110	9.784	46369	15	22.425	11.630
46082	39	2.577	1.544	46154	26	5.528	4.100	46226	20	16.601	6.875	46298	17	5.737	9.371	46370	21	22.612	11.770
46083	33	4.441	1.812	46155	30	5.696	4.448	46227	10	17.290	6.746	46299	13	5.114	9.251	46371	12	23.594	11.163
46084	33	6.980	1.289	46156	26	6.446	4.193	46228	10	18.740	6.025	46300	10	6.212	9.946	46372	51	24.522	11.486
46085	14	7.478	1.912	46157	9	8.029	4.989	46229	10	22.734	6.153	46301	29	8.384	9.912	46373	45	25.120	11.499
46086	15	9.200	1.535	46158	12	8.612	4.625	46230	11	22.775	6.344	46302	10	8.836	9.420	46374	10	25.423	11.561
46087	11	11.858	1.718	46159	22	9.880	4.914	46231	12	22.873	6.328	46303	31	11.121	9.750	46375	10	0.202	12.360
46088	12	13.744	1.289	46160*	62	10.114	4.560	46232	24	22.992	6.216	46304	12	11.140	9.013	46376	10	0.324	12.475
46089	22	13.970	1.575	46161	9	11.380	4.074	46233	13	23.100	6.250	46305*	56	11.480	9.710	46377	11	2.306	12.364
46090	10	15.990	1.289	46162	10	11.950	4.646	46234	30	24.765	6.976	46306	16	13.610	9.493	46378	21	2.748	12.550
46091	18	17.042	1.860	46163*	81	12.192	4.232	46235	29	0.220	7.584	46307	13	14.098	9.235	46379	35	3.668	12.410
46092	9	18.322	1.372	46164	10	12.363	4.334	46236	24	2.039	7.980	46308	30	14.176	9.016	46380	12	3.814	12.016
46093	13	18.784	1.912	46165	12	13.164	4.174	46237	10	2.451	7.676	46309	19	15.530	9.490	46381	22	4.150	12.600
46094	11	19.211	1.072	46166*	31	13.242	4.678	46238	13	2.850	7.821	46310	25	17.046	9.702	46382	10	4.758	12.500
46095	31	19.526	1.844	46167	13	14.172	4.480	46239	11	3.685	7.635	46311	12	17.346	9.726	46383	22	4.875	12.290
46096	10	20.042	1.810	46168	28	14.346	4.606	46240	12	5.115	7.815	46312	33	20.760	9.012	46384	15	5.250	12.548
46097	41	21.814	1.009	46169	14	16.026	4.394	46241	18	7.254	7.244	46313	17	21.617	9.414	46385	14	5.992	12.450
46098	33	22.525	1.745	46170	28	18.984	4.726	46242	10	7.570	7.535	46314	10	21.725	9.854	46386*	54	6.608	12.228
46099	14	23.744	1.770	46171	14	19.540	4.698	46243	10	8.260	7.500	46315	37	21.786	9.920	46387	17	10.614	12.462
46100	37	24.003	1.810	46172	20	20.308	4.500	46244	10	9.174	7.287	46316	27	22.432	9.900	46388	10	10.692	12.840
46101	29	24.904	1.754	46173*	39	20.508	4.420	46245	31	9.770	7.180	46317	27	23.150	9.102	46389	30	11.149	12.570
46102	10	1.736	2.623	46174	10	21.031	4.819	46246	12	10.263	7.180	46318	14	23.728	9.444	46390	16	12.344	12.575
46103*	43	1.808	2.716	46175	18	21.336	4.460	46247*	34	11.064	7.438	46319	26	24.122	9.067	46391	15	13.024	12.487
46104	10	3.060	2.494	46176*	58	22.460	4.986	46248	10	11.965	7.142	46320	27	24.272	9.324	46392*	88	13.220	12.852
46105	14	3.248	2.202	46177*	40	22.461	4.830	46249	10	13.318	7.460	46321	14	24.537	9.006	46393	10	13.640	12.946
46106	20	4.210	2.925	46178	15	22.792	4.610	46250	10	13.530	7.655	46322	23	25.470	9.793	46394	10	13.780	12.290
46107	31	5.102	2.830	46179	23	23.504	4.106	46251	15	13.641	7.197	46323	15	0.672	10.934	46395	15	14.025	12.544
46108	15	6.250	2.676	46180	25	25.026	4.579	46252	10	15.112	7.818	46324	10	0.925	10.712	46396	19	15.498	12.568
46109	12	7.844	2.744	46181	33	0.070	5.744	46253*	37	15.476	7.016	46325	31	1.990	10.093	46397	21	15.500	12.970
46110	11	8.388	2.664	46182	12	3.606	5.914	46254	26	16.246	7.180	46326	30	2.500	10.780	46398	11	18.082	12.230
46111	33	9.157	2.264	46183	24	4.021	5.352	46255	17	16.250	7.164	46327	24	3.651	10.412	46399	8	18.514	12.163
46112	30	10.272	2.462	46184	27	4.184	5.884	46256	15	16.574	7.737	46328*	40	4.794	10.110	46400	10	18.668	12.214
46113	25	11.111	2.217	46185	15	4.700	5.097	46257	15	16.725	7.144	46329*	49	7.158	10.774	46401	10	18.846	12.244
46114	10	11.397	2.043	46186	11	5.467	5.479	46258*	46	18.374	7.478	46330	12	7.322	10.597	46402	10	19.810	12.894
46115	10	11.697	2.089	46187*	34	6.690	5.916	46259	29	22.300	7.734	46331	12	7.526	10.410	46403	15	22.777	12.600
46116	16	12.164	2.836	46188	30	7.862	5.076	46260	20	22.432	7.685	46332*	46	7.726	10.746	46404	10	23.995	12.290
46117	11	12.512	2.202	46189	14	9.920	5.348	46261*	33	23.174	7.535	46333*	43	8.214	10.503	46405	37	0.350	13.620
46118	12	13.814	2.060	46190	34	10.416	5.115	46262	25	23.866	7.270	46334	12	8.420	10.244	46406	11	1.448	13.793
46119	21	16.074	2.960	46191	10	10.692	5.176	46263	27	23.867	7.058	46335	14	12.358	10.500	46407	10	1.598	13.007
46120	27	16.310	2.363	46192	14	10.760	5.410	46264	12	24.185	7.116	46336	21	12.420	10.233	46408	27	1.934	13.896
46121*	70	16.750	2.990	46193	19	11.296	5.292	46265	26	1.044	8.700	46337	10	12.908	10.108	46409	18	2.135	13.508
46122	28	18.056	2.128	46194	24	11.436	5.670	46266	15	2.550	8.974	46338	11	15.160	10.644	46410	15	4.380	13.282
46123	12	19.731	2.136	46195	10	11.830	5.394	46267	12	2.740	8.664	46339	37	17.061	10.084	46411	13	5.000	13.160
46124	33	20.650	2.390	46196	12	12.531	5.456	46268	21	5.231	8.350	46340	10	17.078	10.406	46412	16	5.140	13.562
46125	39	21.582	2.326	46197	15	12.900	5.520	46269	22	5.462	8.406	46341	34	18.170	10.451	46413	14	5.274	13.050
46126	38	22.044	2.308	46198	10	13.820	5.603	46270	15	5.606	8.660	46342	26	18.442	10.824	46414	24	5.835	13.894
46127	29	25.300	2.965	46199	25	14.238	5.686	46271	21	6.490	8.754	46343	14	18.598	10.108	46415	14	7.750	13.500
46128	13	0.790	3.726	46200	11	14.285	5.002	46272	10	6.510	8.906	46344	12	21.388	10.368	46416	14	8.007	13.882
46129	12	1.310	3.715	46201	30	17.491	5.656	46273	19	6.900	8.350	46345	10	24.484	10.459	46417	12	8.310	13.174
46130	25	1.784	3.994	46202	18	17.660	5.026	46274*	34	7.184	8.575	46346	19	25.162	10.962	46418	13	11.404	13.020
46131	11	2.488	3.190	46203	14	19.344	5.615	46275	12	8.864	8.842	46347	16	0.079	11.465	46419*	47	11.446	13.759
46132	29	5.484	3.836	46204	28	20.330	5.809	46276	10	10.336	8.524	46348	11	0.610	11.600	46420*	72	12.481	13.910
46133	12	7.173	3.450	46205	10	21.882	5.838	46277	13	10.486	8.432	46349*	52	1.310	11.546	46421	18	12.719	13.820
46134	20	8.026	3.122	46206	14	23.088	5.167	46278	19	10.600	8.705	46350	32	1.740	11.925	46422	12	13.010	13.200
46135	24	9.196	3.578	46207	18	24.198	5.369	46279	17	11.854	8.078	46351	12	3.800	11.080	46423	30	14.389	13.820
46136	23	12.024	3.070	46208	11	24.566	5.952	46280	14	12.250	8.150	46352	19	4.857	11.964	46424	19	15.084	13.915
46137	12	13.429	3.590	46209	29	24.750	5.532	46281	23	13.042	8.650	46353	23	7.380	11.388	46425	26</		

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46436	15	24-202	13-500	46508	10	10-381	16-940	46580	13	7-134	18-514	46652	11	0-470	21-085	46724	30	4-205	23-162
46437	30	2-274	14-716	46509	9	11-962	16-690	46581	30	7-450	18-550	46653	23	0-858	21-404	46725	22	6-188	23-950
46438	28	3-218	14-256	46510	10	13-872	16-450	46582	17	10-245	18-282	46654	37	2-330	21-689	46726	18	6-476	23-345
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47182	8	14.442	12.464	47254	16	23.975	14.480	47326	8	18.822	17.334	47398	11	14.172	20.097	47470	18	4.331	23.535
47183	10	14.453	12.477	47255	11	24.476	14.994	47327	10	19.158	17.854	47399	20	14.938	20.258	47471	10	5.093	23.294
47184	14	14.712	12.600	47256	14	0.398	15.848	47328	32	20.966	17.651	47400	9	15.344	20.846	47472	48	5.652	23.029
47185	8	15.555	12.816	47257	10	2.075	15.019	47329	20	23.720	17.918	47401	31	16.336	20.265	47473	24	6.418	23.376
47186	12	16.414	12.328	47258	13	2.814	15.598	47330	20	24.402	17.954	47402	12	16.530	20.257	47474	21	10.434	23.314
47187	8	17.068	12.718	47259	9	3.140	15.812	47331	13	24.678	17.026	47403	12	17.865	20.441	47475	8	10.497	23.106
47188	19	18.190	12.541	47260	9	3.846	15.149	47332	8	24.822	17.106	47404	9	19.279	20.620	47476	23	11.017	23.764
47189	28	18.632	12.203	47261	19	3.854	15.638	47333	8	24.952	17.870	47405	24	19.854	20.278	47477	20	12.511	23.117
47190	53	19.248	12.590	47262	9	4.985	15.359	47334	8	25.240	17.298	47406	23	21.214	20.390	47478	10	12.726	23.014
47191	24	19.350	12.856	47263	18	5.856	15.751	47335	26	25.499	17.737	47407	14	21.534	20.193	47479	20	13.430	23.742
47192	23	21.095	12.940	47264	8	6.834	15.722	47336	20	0.078	18.726	47408	8	22.124	20.240	47480	19	13.968	23.342
47193	22	21.436	12.546	47265	9	8.027	15.036	47337	20	1.231	18.037	47409	10	23.726	20.742	47481	44	14.230	23.442
47194	11	21.954	12.992	47266	25	9.934	15.794	47338	16	2.343	18.744	47410	11	25.246	20.542	47482	20	14.929	23.165
47195	11	22.094	12.180	47267	16	11.192	15.125	47339	8	2.632	18.462	47411	25	0.396	21.708	47483	17	15.296	23.572
47196	13	22.127	12.364	47268	58	12.224	15.856	47340	8	3.326	18.072	47412	34	0.672	21.858	47484	19	15.644	23.603
47197	15	22.528	12.013	47269	67	12.560	15.367	47341	8	3.335	18.192	47413	12	1.033	21.248	47485	8	16.187	23.526
47198	33	23.226	12.658	47270	19	14.600	15.006	47342	22	7.964	18.210	47414	11	1.126	21.824	47486	22	16.252	23.168
47199	10	24.655	12.738	47271	19	15.524	15.284	47343	14	8.116	18.799	47415	26	2.417	21.913	47487	12	17.503	23.566
47200	47	0.307	13.128	47272	9	15.578	15.042	47344	10	10.879	18.376	47416	9	3.494	21.794	47488	16	17.676	23.235
47201	8	2.053	13.483	47273	14	15.964	15.740	47345	9	11.764	18.329	47417	34	3.708	21.918	47489	10	17.826	23.316
47202	15	2.577	13.217	47274	23	16.022	15.522	47346	14	15.276	18.272	47418	14	4.815	21.828	47490	8	19.056	23.827
47203	11	2.863	13.484	47275	20	17.466	15.296	47347	31	16.358	18.472	47419	26	5.215	21.348	47491	28	20.091	23.684
47204	8	4.814	13.254	47276	8	17.624	15.332	47348	32	18.308	18.428	47420	28	8.078	21.443	47492	20	20.763	23.236
47205	9	5.420	13.853	47277	20	17.834	15.458	47349	39	19.352	18.892	47421	32	8.736	21.903	47493	27	21.026	23.478
47206	8	6.050	13.864	47278	8	18.590	15.750	47350	8	21.903	18.800	47422	23	9.082	21.274	47494	9	23.071	23.692
47207	9	6.252	13.847	47279	24	18.830	15.148	47351	11	22.727	18.419	47423	55	11.075	21.246	47495	10	23.382	23.608
47208	28	6.859	13.192	47280	23	19.435	15.636	47352	8	23.545	18.574	47424	21	11.293	21.090	47496	8	24.677	23.882
47209	25	7.334	13.995	47281	17	20.472	15.568	47353	8	23.748	18.872	47425	24	12.216	21.392	47497	8	25.097	23.819
47210	8	7.546	13.093	47282	8	22.625	15.733	47354	26	24.563	18.443	47426	8	13.632	21.195	47498	8	0.342	24.192
47211	8	7.753	13.128	47283	15	23.806	15.242	47355	8	24.592	18.294	47427	15	14.370	21.041	47499	13	3.108	24.047
47212	14	7.876	13.438	47284	9	0.684	16.556	47356	19	24.883	18.364	47428	18	15.097	21.802	47500	8	3.704	24.192
47213	8	8.584	13.178	47285	9	0.847	16.122	47357	19	25.466	18.112	47429	11	18.484	21.932	47501	8	4.162	24.251
47214	10	9.603	13.090	47286	32	1.636	16.210	47358	12	25.804	18.046	47430	9	23.118	21.719	47502	57	6.292	24.483
47215	33	10.243	13.230	47287	13	1.984	16.154	47359	38	0.717	19.576	47431	28	23.405	21.296	47503	26	7.903	24.082
47216	16	13.354	13.388	47288	8	2.044	16.589	47360	10	1.228	19.768	47432	8	23.693	21.802	47504	20	10.927	24.235
47217	16	13.482	13.978	47289	32	2.314	16.023	47361	10	1.864	19.229	47433	16	25.314	21.566	47505	33	11.182	24.933
47218	20	14.486	13.308	47290	8	3.440	16.838	47362	12	3.154	19.468	47434	26	1.390	22.127	47506	26	12.383	24.381
47219	16	14.563	13.437	47291	18	4.399	16.064	47363	8	7.327	19.121	47435	8	1.588	22.098	47507	9	13.155	24.878
47220	21	16.387	13.040	47292	20	5.818	16.146	47364	10	8.331	19.838	47436	20	2.340	22.226	47508	8	13.690	24.880
47221	8	16.927	13.030	47293	8	6.938	16.280	47365	8	9.326	19.142	47437	8	2.626	22.547	47509	9	13.734	24.392
47222	22	17.958	13.028	47294	9	7.670	16.092	47366	11	9.694	19.651	47438	50	2.916	22.331	47510	21	14.281	24.598
47223	23	18.384	13.254	47295	10	8.117	16.262	47367	22	11.426	19.850	47439	32	3.717	22.076	47511	27	14.784	24.538
47224	10	20.367	13.910	47296	12	8.626	16.766	47368	32	13.995	19.331	47440	26	4.869	22.526	47512	8	14.894	24.748
47225	9	20.792	13.850	47297	10	9.193	16.180	47369	8	15.056	19.768	47441	9	5.045	22.482	47513	23	15.165	24.394
47226	17	22.726	13.620	47298	22	9.925	16.820	47370	48	15.177	19.852	47442	22	5.337	22.478	47514	10	15.901	24.599
47227	30	23.744	13.762	47299	10	10.592	16.430	47371	10	15.437	19.474	47443	14	5.548	22.598	47515	20	16.618	24.624
47228	39	24.889	13.600	47300	17	11.064	16.616	47372	9	15.634	19.004	47444	8	5.735	22.758	47516	14	16.686	24.076
47229	14	0.258	14.214	47301	8	11.380	16.368	47373	19	19.304	19.133	47445	13	7.352	22.904	47517	19	17.612	24.108
47230	8	1.946	14.636	47302	11	14.934	16.313	47374	10	19.703	19.426	47446	21	8.933	22.112	47518	19	0.906	25.741
47231	14	2.421	14.653																

47529	10	13.404	25.545	47583	28	15.240	1.187	47655	15	15.320	4.758	47727	11	22.587	7.942	47799	26	4.219	11.792
47530	8	14.038	25.932	47584	29	15.540	1.722	47656	23	17.222	4.216	47728	34	24.330	7.962	47800	37	4.437	11.402
47531	32	14.268	25.360	47585	30	18.272	1.498	47657	31	19.305	4.527	47729	21	0.205	8.466	47801	38	7.242	11.700
47532	22	14.342	25.199	47586	17	20.648	1.242	47658	12	20.500	4.816	47730	12	1.793	8.766	47802	28	8.331	11.880
47533	8	15.646	25.870	47587	51	22.258	1.510	47659	21	21.476	4.160	47731	10	2.955	8.328	47803	15	8.332	11.894
47534	8	17.647	25.956	47588	29	23.013	1.990	47660	26	22.071	4.772	47732	25	4.450	8.680	47804	40	11.025	11.992
47535	13	18.427	25.696	47589	10	24.255	1.528	47661	25	25.142	4.938	47733	17	4.939	8.510	47805	12	11.696	11.594
47536	8	18.536	25.178	47590	38	25.762	1.550	47662	10	0.931	5.166	47734	10	4.970	8.485	47806	35	13.559	11.506
47537	9	18.777	25.321	47591	31	0.094	2.934	47663	41	2.436	5.315	47735	45	6.382	8.524	47807	12	14.666	11.718
47538	19	19.534	25.657	47592	31	4.199	2.476	47664	33	2.752	5.618	47736	14	6.511	8.420	47808	29	15.622	11.948
47539	23	19.970	25.593	47593	25	5.118	2.605	47665	44	4.091	5.874	47737	16	7.005	8.178	47809	10	16.148	11.047
47540	8	20.102	25.519	47594	31	6.899	2.250	47666	25	4.230	5.472	47738	10	7.327	8.212	47810	10	16.162	11.345
47541	11	21.238	25.528	47595	14	6.965	2.010	47667	23	5.213	5.934	47739	32	8.908	8.252	47811	10	16.201	11.808
47542	45	22.364	25.714	47596	15	7.820	2.600	47668	37	7.475	5.092	47740	44	9.278	8.273	47812	12	17.120	11.747
47543	19	23.252	25.508	47597	41	8.200	2.831	47669	15	8.708	5.186	47741	10	11.040	8.830	47813	10	17.970	11.752
47544	31	24.506	25.341	47598	26	10.000	2.727	47670	12	11.290	5.210	47742	29	11.346	8.435	47814	22	18.250	11.754
				47599	26	10.164	2.696	47671	43	12.299	5.154	47743	30	13.262	8.951	47815	12	19.208	11.623
				47600	23	10.190	2.038	47672	21	13.485	5.760	47744	82	13.802	8.510	47816	33	20.390	11.582
				47601	10	11.483	2.071	47673	12	13.492	5.106	47745	30	14.956	8.172	47817	29	22.558	11.924
				47602	15	13.690	2.954	47674	12	14.267	5.858	47746	22	20.984	8.408	47818	10	23.122	11.772
				47603	35	15.090	2.880	47675	15	15.658	5.924	47747	41	21.062	8.930	47819	17	24.560	11.335
				47604	34	15.530	2.662	47676	18	16.298	5.370	47748	14	24.474	8.068	47820	31	25.050	11.254
				47605	14	16.661	2.836	47677	15	18.246	5.952	47749	10	24.912	8.300	47821	10	25.944	11.724
				47606	36	17.496	2.186	47678	19	18.628	5.559	47750	33	24.979	8.262	47822	23	25.985	11.781
				47607	12	18.742	2.846	47679	10	20.530	5.122	47751	25	2.274	9.022	47823	15	0.138	12.460
				47608	11	19.064	3.947	47680	10	20.618	5.306	47752	16	2.584	9.190	47824	13	0.174	12.641
				47609	15	19.350	2.809	47681	11	20.860	5.360	47753	28	4.856	9.154	47825	35	1.273	12.922
				47610	19	22.211	2.889	47682	42	23.155	5.488	47754	10	5.768	9.600	47826	16	2.704	12.986
				47611	16	24.080	2.096	47683	18	23.316	5.266	47755	17	6.290	9.263	47827	19	3.734	12.066
				47612	18	24.912	2.559	47684	42	23.636	5.968	47756	32	12.058	9.920	47828	41	5.963	12.443
				47613	36	1.316	3.971	47685	24	23.884	5.830	47757	30	12.504	9.401	47829	14	7.420	12.829
				47614	22	1.722	3.799	47686	10	25.198	5.081	47758	19	13.860	9.860	47830	13	9.032	12.502
				47615	24	2.949	3.229	47687	33	25.257	5.794	47759	10	14.418	9.032	47831	11	9.044	12.496
				47616	34	4.255	3.348	47688	13	0.572	6.096	47760	31	14.724	9.274	47832	37	10.169	12.432
				47617	28	4.284	3.885	47689	37	0.748	6.154	47761	25	14.833	9.969	47833	12	10.410	12.270
				47618	34	4.592	3.394	47690	28	1.857	6.616	47762	12	15.261	9.190	47834	31	12.065	12.734
				47619	28	5.560	3.282	47691	16	2.415	6.232	47763	10	18.140	9.678	47835	14	12.336	12.656
				47620	18	6.318	3.698	47692	29	2.689	6.258	47764	16	18.170	9.458	47836	13	15.071	12.760
				47621	12	8.766	3.945	47693	39	3.200	6.398	47765	29	18.928	9.004	47837	21	15.880	12.054
				47622	33	9.982	3.988	47694	19	5.576	6.464	47766	12	19.048	9.638	47838	25	16.596	12.764
				47623	35	10.176	3.948	47695	20	5.834	6.206	47767	11	19.331	9.968	47839	26	16.794	12.900
				47624	15	10.607	3.652	47696	40	6.410	6.382	47768	24	21.486	9.382	47840	34	18.176	12.446
				47625	12	10.628	3.462	47697	22	6.880	6.400	47769	40	22.119	9.999	47841	14	20.291	12.472
				47626	33	11.057	3.549	47698	42	7.642	6.172	47770	37	24.750	9.260	47842	22	22.280	12.690
				47627	33	11.506	3.136	47699	10	7.956	6.225	47771	13	24.974	9.700	47843	16	25.419	12.598
				47628	12	12.209	3.308	47700	13	9.476	6.804	47772	33	1.686	10.586	47844	13	25.920	12.632
				47629	32	13.450	3.854	47701	27	11.367	6.862	47773	28	1.920	10.137	47845	13	0.006	13.271
				47630	42	13.987	3.970	47702	28	12.868	6.630	47774	13	3.748	10.508	47846	21	0.580	13.188
				47631	16	14.085	3.923	47703	41	15.235	6.322	47775	32	4.075	10.774	47847	22	0.788	13.890
				47632	13	14.630	3.898	47704	16	16.754	6.280	47776	29	4.298	10.161	47848	38	2.948	13.846
				47633	19	16.069	3.864	47705	43	24.299	6.547	47777	31	4.873	10.705	47849	11	8.422	13.695
				47634	22	16.371	3.032	47706	14	24.624	6.062	47778	20	6.030	10.745	47850	55	9.230	13.959
				47635	29	21.334	3.366	47707	30	25.215	6.047	47779	17	7.160	10.214	47851	10	9.504	13.380
				47636	22	22.119	3.572	47708	31	0.506	7.330	47780	22	7.790	10.482	47852	33	11.386	13.103
				47637	35	22.188	3.754	47709	31	1.160	7.072	47781	28	8.145	10.290	47853	34	12.346	13.896
				47638	32	22.868	3.755	47710	10	1.450	7.090	47782	10	8.510	10.420	47854	10	12.500	13.852
				47639	13	24.658	3.530	47711	10	1.918	7.762	47783	12	8.714	10.095	47855	30	13.170	13.980
				47640	46	25.160	3.282	47712	12	3.021	7.668	47784	13	9.134	10.488	47856	34	13.242	13.870
				47641	17	0.452	4.450	47713	12	3.461	7.440	47785	47	10.044	10.766	47857	33	13.396	13.688
				47642	10	3.575	4.268	47714	34	5.311	7.576	47786	35	10.286	10.530	47858	13	14.606	13.415
				47643	44	8.576	4.281	47715	30	5.726	7.422	47787	11	11.080	10.889	47859	60	15.356	13.732
				47644	22	8.886	4.428	47716	14	8.480	7.249	47788	11	12.304	10.120	47860	30	16.822	13.218
				47645	10	9.119	4.004	47717	27	8.582	7.470	47789	10	16.784	10.428	47861	11	18.131	13.998
				47646	34	9.742	4.258	47718	14	8.818	7.658	47790	22	16.859	10.864	47862	24	18.725	13.118
				47647	11	10.562	4.182	47719	30	9.442	7.103	47791	10	17.462	10.912	47863	29	19.118	13.098
				47648	28	11.380	4.709	47720	36	10.742	7.864	47792	31	18.344	10.300	47864	22	20.340	13.947
				47649	84	13.978	4.008	47721	49	10.984	7.796	47793	19	22.150	10.012	47865	25	20.397	13.870
				47650	10	14.584	4.744	47722	12	14.759	7.884	47794	13	23.880	10.841	47866	10	21.442	13.290
				47651	32	14.654	4.690</												

47871	32	1-805	14-019	47943	12	12-321	17-599	48015	10	10-272	20-620	48087	14	1-563	23-870	48159	29	16-000	25-202
47872	24	2-040	14-736	47944	10	12-740	17-850	48016	16	11-920	20-185	48088	12	2-686	23-031	48160	10	16-658	25-634
47873	17	4-632	14-002	47945	27	13-500	17-343	48017	19	12-758	20-378	48089	10	5-142	23-520	48161	37	16-944	25-666
47874	31	4-720	14-779	47946	22	14-080	17-338	48018	12	13-294	20-474	48090	10	5-923	23-045	48162	16	18-206	25-240
47875	22	4-996	14-850	47947	22	14-112	17-115	48019*	33	13-312	20-851	48091	19	6-154	23-100	48163	31	20-022	25-536
47876	30	5-466	14-816	47948	12	19-382	17-584	48020	10	17-450	20-808	48092	20	6-799	23-941	48164	11	20-084	25-370
47877	36	6-862	14-640	47949	11	19-592	17-734	48021	34	17-649	20-225	48093	33	7-265	23-456	48165	22	20-091	25-240
47878	10	8-170	14-629	47950	10	19-830	17-880	48022	12	17-666	20-340	48094	10	7-962	23-536	48166	18	20-418	25-674
47879	25	8-966	14-254	47951	30	20-194	17-874	48023	17	18-247	20-917	48095	34	8-296	23-362	48167	15	22-992	25-550
47880	26	10-840	14-012	47952	13	20-524	17-812	48024	21	18-681	20-123	48096	10	8-418	23-838	48168	29	24-123	25-669
47881	10	13-485	14-466	47953	26	22-180	17-450	48025	21	18-832	20-926	48097	10	8-675	23-078	48169	17	24-570	25-500
47882	18	14-903	14-428	47954	27	22-335	17-189	48026	11	19-020	20-266	48098	31	9-239	23-812	48170	31	24-865	25-520
47883	35	15-840	14-552	47955*	43	22-666	17-650	48027	12	19-177	20-401	48099	34	9-516	23-765	48171	29	25-761	25-551
47884	11	16-688	14-164	47956	32	25-554	17-856	48028	13	19-256	20-276	48100	10	9-767	23-620	48172	32	25-774	25-419
47885	13	17-140	14-060	47957	10	0-845	18-690	48029	12	20-836	20-443	48101	11	9-840	23-975				
47886	10	17-930	14-791	47958	26	1-832	18-177	48030	11	21-450	20-400	48102	25	10-082	23-168				
47887	30	19-060	14-109	47959	29	2-512	18-206	48031	33	21-695	20-600	48103	16	10-980	23-594				
47888	12	19-707	14-084	47960	34	2-679	18-693	48032	34	24-285	20-000	48104	13	13-470	23-699				
47889	13	19-982	14-089	47961	11	2-707	18-544	48033	32	1-554	21-560	48105	18	15-684	23-560				
47890	34	21-319	14-787	47962	25	3-000	18-610	48034	14	1-870	21-000	48106	34	16-650	23-464				
47891	10	22-700	14-118	47963	10	3-064	18-116	48035	12	3-016	21-158	48107*	48	18-891	23-692				
47892	14	23-018	14-101	47964	26	3-579	18-350	48036	27	3-468	21-806	48108	27	20-589	23-802				
47893	21	23-108	14-100	47965	21	3-916	18-280	48037	13	5-370	21-360	48109	30	20-826	23-449				
47894	10	24-179	14-180	47966	10	6-602	18-701	48038	32	7-532	21-822	48110	34	21-196	23-872				
47895	19	24-597	14-182	47967	31	7-085	18-650	48039	10	7-912	21-944	48111	20	21-299	23-780				
47896	34	24-936	14-047	47968*	145	8-308	18-062	48040	28	10-350	21-766	48112	17	21-550	23-914				
47897	29	25-438	14-152	47969	26	12-339	18-580	48041	10	10-681	21-851	48113	32	21-974	23-410				
47898	12	25-623	14-032	47970	10	14-564	18-178	48042	15	13-306	21-438	48114	14	22-590	23-988				
47899	28	0-562	15-227	47971	13	16-550	18-330	48043	35	14-190	21-114	48115	10	22-686	23-504				
47900	26	1-885	15-500	47972*	34	17-188	18-456	48044	27	16-197	21-416	48116	12	2-862	24-132				
47901	10	2-484	15-168	47973*	41	17-852	18-741	48045	31	17-670	21-809	48117	12	3-278	24-060				
47902	10	2-552	15-244	47974	21	18-028	18-426	48046	27	18-372	21-873	48118	33	10-780	24-586				
47903	17	4-706	15-350	47975	10	19-244	18-434	48047	14	18-526	21-600	48119*	44	11-000	24-539				
47904*	41	7-950	15-566	47976	10	19-374	18-501	48048	20	18-695	21-023	48120	15	11-408	24-230				
47905	27	20-699	15-610	47977	31	19-422	18-733	48049	35	19-374	21-644	48121	16	11-651	24-832				
47906	25	23-850	15-028	47978	29	20-594	18-840	48050	28	19-996	21-650	48122	13	12-279	24-880				
47907	26	25-346	15-060	47979	13	22-949	18-460	48051	23	20-243	21-180	48123	28	12-289	24-680				
47908	32	1-696	16-690	47980*	43	23-340	18-746	48052	25	20-665	21-320	48124	9	12-805	24-028				
47909	10	5-020	16-368	47981*	37	23-372	18-156	48053*	130	22-490	21-879	48125	17	13-693	24-070				
47910*	45	5-714	16-869	47982	30	23-600	18-402	48054	31	23-119	21-562	48126	18	13-845	24-946				
47911	14	6-978	16-036	47983	36	24-738	18-754	48055	17	23-494	21-143	48127	23	14-188	24-115				
47912	33	7-510	16-698	47984*	58	1-355	19-942	48056	20	23-559	21-392	48128	13	15-605	24-074				
47913	10	8-274	16-911	47985	15	4-260	19-715	48057	23	24-677	21-753	48129	23	15-688	24-824				
47914	15	8-822	16-890	47986	12	5-172	19-676	48058	18	0-342	22-694	48130	10	15-888	24-722				
47915	22	10-399	16-658	47987	13	5-300	19-941	48059	29	3-926	22-658	48131*	34	16-191	24-140				
47916	29	13-713	16-448	47988	16	5-825	19-569	48060	9	4-160	22-140	48132*	36	16-228	24-544				
47917	20	14-028	16-215	47989	27	6-499	19-890	48061	13	4-725	22-834	48133	34	17-762	24-884				
47918*	84	15-392	16-277	47990	30	8-601	19-266	48062	10	6-195	22-316	48134	11	18-260	24-518				
47919	34	18-908	16-401	47991	27	10-456	19-400	48063	13	6-498	22-144	48135	30	20-394	24-488				
47920	18	19-948	16-165	47992	11	13-670	19-626	48064*	63	6-960	22-632	48136	10	20-892	24-891				
47921	29	20-160	16-669	47993	10	14-148	19-387	48065	28	7-670	22-154	48137	22	21-488	24-680				
47922	11	20-910	16-821	47994*	35	15-645	19-291	48066	12	7-870	22-650	48138	10	21-750	24-854				
47923	12	21-900	16-584	47995	33	16-300	19-812	48067	37	8-488	22-060	48139	38	22-329	24-034				
47924	20	24-249	16-381	47996	10	16-978	19-710	48068	17	9-668	22-472	48140	16	22-518	24-560				
47925	13	24-299	16-700	47997*	40	17-583	19-342	48069	25	10-280	22-028	48141	10	22-617	24-560				
47926	26	24-630	16-780	47998	11	17-712	19-100	48070	11	12-270	22-641	48142*	36	23-414	24-718				
47927	12	24-830	16-297	47999	22	18-554	19-667	48071	12	12-400	22-872	48143	16	24-156	24-670				
47928	34	24-870	16-290	48000	10	19-818	19-512	48072	19	12-720	22-008	48144	10	24-502	24-165				
47929	12	25-979	16-817	48001	19	19-888	19-863	48073*	30	14-256	22-674	48145	14	24-718	24-497				
47930	19	1-464	17-014	48002	33	19-959	19-955	48074	13	15-081	22-080	48146	10	25-780	24-114				
47931	20	2-778	17-274	48003	21	20-396	19-928	48075	24	15-274	22-632	48147	42	0-563	25-988				
47932	12	3-341	17-540	48004	18	21-193	19-242	48076	29	16-496	22-345	48148	24	1-454	25-774				
47933	32	3-608	17-974	48005*	48	22-105	19-892	48077	10	16-853	22-578	48149	34	2-704	25-592				
47934	35	4-278	17-260	48006	24	22-180	19-663	48078	22	16-932	22-470	48150	38	5-785	25-510				
47935	11	4-810	17-072	48007	27	22-460	19-707	48079	13	18-730	22-682	48151	31	6-873	25-598				
47936*	34	6-310	17-290	48008	25	23-570	19-346	48080	13	20-770	22-273	48152	10	7-146	25-266				
47937	14	7-050	17-350	48009	34	25-445	19-070	48081	13	21-422	22-261	48153	22	7-780	25-860				
47938	10	9-070	17-860	48010	10	3-064	20-17												

48595	31	4.238	25.483	48681	25	15.979	1.552	48753	16	3.724	4.955	48825	15	25.245	6.631	48897	9	25.142	8.651
48596	24	5.155	25.930	48682	12	16.888	1.730	48754	19	4.555	4.462	48826	30	25.884	6.102	48898	13	25.217	8.709
48597	10	6.241	25.991	48683	21	20.452	1.444	48755	13	4.741	4.818	48827	17	3.035	7.569	48899	45	0.214	9.619
48598	10	7.050	25.910	48684	64	21.184	1.035	48756*	52	7.324	4.885	48828	22	3.771	7.414	48900	31	1.294	9.678
48599	37	8.010	25.490	48685	21	23.770	1.839	48757	24	7.522	4.656	48829	13	4.270	7.874	48901	11	1.925	9.350
48600	14	8.244	25.146	48686	25	24.920	1.358	48758	13	8.725	4.970	48830	12	4.436	7.484	48902	16	2.046	9.179
48601	18	9.511	25.910	48687	20	25.142	1.765	48759	16	9.218	4.090	48831	9	4.536	7.588	48903	23	2.078	9.772
48602	11	9.596	25.542	48688	17	1.930	2.534	48760	13	9.386	4.166	48832	14	5.040	7.596	48904	13	2.460	9.940
48603	27	9.716	25.182	48689	17	2.350	2.490	48761	14	11.192	4.336	48833*	64	5.126	7.850	48905*	40	2.658	9.192
48604	14	9.745	25.135	48690	18	2.365	2.995	48762	12	11.978	4.700	48834*	36	5.568	7.694	48906	11	2.928	9.396
48605	8	10.660	25.400	48691	14	2.717	2.968	48763	12	12.826	4.375	48835	12	6.146	7.384	48907	19	3.607	9.455
48606	12	17.368	25.876	48692	26	4.016	2.535	48764	20	15.170	4.550	48836	22	7.288	7.910	48908	10	6.485	9.916
48607	9	17.760	25.300	48693	15	6.207	2.289	48765	20	16.248	4.212	48837	9	7.318	7.543	48909	40	7.014	9.822
48608	14	19.112	25.756	48694	10	6.270	2.050	48766	12	18.584	4.802	48838	20	8.000	7.498	48910	10	7.160	9.485
48609	12	20.360	25.400	48695	16	7.507	2.574	48767	12	20.007	4.116	48839	16	8.990	7.107	48911	16	7.311	9.714
48610	11	20.559	25.706	48696	25	8.020	2.280	48768	20	20.122	4.175	48840	23	9.350	7.754	48912	16	9.502	9.660
48611	17	21.684	25.340	48697	19	10.010	2.393	48769	10	20.405	4.644	48841	23	10.196	7.206	48913	33	10.106	9.025
48612	13	21.848	25.700	48698*	47	10.938	2.726	48770	13	21.220	4.500	48842	13	10.250	7.714	48914	12	10.410	9.516
				48699	11	11.490	2.325	48771	28	21.708	4.418	48843	16	10.922	7.745	48915	14	12.986	9.304
				48700	24	11.679	2.768	48772	22	22.180	4.410	48844	15	11.133	7.824	48916	31	13.518	9.594
				48701	26	11.716	2.835	48773	12	22.242	4.403	48845	14	11.528	7.327	48917	16	13.786	9.278
				48702	12	11.798	2.385	48774	11	22.260	4.131	48846	12	12.233	7.503	48918*	42	14.466	9.275
				48703	20	11.825	2.186	48775	51	24.611	4.647	48847	13	13.575	7.544	48919	11	15.450	9.095
				48704	11	13.224	2.148	48776	12	25.985	4.910	48848	12	14.012	7.396	48920	13	16.145	9.236
				48705*	45	15.445	2.675	48777	31	0.384	5.260	48849	10	14.924	7.621	48921	12	16.942	9.366
				48706	11	15.990	2.820	48778	11	2.698	5.625	48850	12	15.468	7.054	48922	15	18.674	9.089
				48707	28	16.984	2.082	48779	10	2.748	5.735	48851	15	15.732	7.034	48923	10	19.498	9.783
				48708*	40	17.746	2.660	48780	17	6.131	5.446	48852	13	15.874	7.034	48924	13	19.580	9.134
				48709	20	18.130	2.052	48781	13	7.580	5.760	48853	24	16.160	7.846	48925	9	21.608	9.615
				48710	35	19.390	2.893	48782	18	7.618	5.610	48854	18	16.430	7.492	48926	10	22.401	9.415
				48711	10	21.736	2.302	48783*	35	9.100	5.824	48855	11	17.416	7.116	48927	18	23.070	9.979
				48712	20	22.004	2.776	48784	13	9.176	5.805	48856	12	17.526	7.986	48928*	36	23.135	9.818
				48713	40	22.402	2.174	48785	10	9.382	5.821	48857	11	17.632	7.550	48929	12	23.916	9.230
				48714	60	22.430	2.168	48786	24	12.810	5.355	48858	24	19.776	7.764	48930	40	24.884	9.064
				48715	24	22.684	2.346	48787	12	12.970	5.176	48859	36	20.422	7.444	48931	14	25.452	9.974
				48716	15	23.184	2.836	48788*	40	13.103	5.981	48860	12	20.590	7.894	48932	9	0.929	10.458
				48717	9	24.177	2.998	48789	33	14.131	5.999	48861	9	20.614	7.812	48933	25	0.969	10.472
				48718	12	24.279	2.136	48790	11	14.740	5.618	48862	22	21.690	7.543	48934*	40	2.128	10.372
				48719	28	25.580	2.985	48791	15	15.796	5.852	48863	12	22.002	7.089	48935	10	3.063	10.190
				48720	12	1.536	3.767	48792	20	16.052	5.108	48864*	68	22.355	7.862	48936	14	3.300	10.366
				48721	10	4.340	3.777	48793	20	16.285	5.582	48865	10	22.465	7.968	48937	12	3.962	10.950
				48722	20	5.761	3.260	48794	20	18.398	5.786	48866	17	23.184	7.800	48938	13	4.966	10.738
				48723	16	5.960	3.870	48795	24	18.969	5.175	48867	20	24.622	7.228	48939	15	5.618	10.504
				48724	11	6.465	3.334	48796	24	20.665	5.976	48868	12	0.531	8.624	48940	21	8.248	10.542
				48725	33	7.501	3.845	48797	40	21.086	5.978	48869	10	1.119	8.552	48941	18	9.154	10.112
				48726	13	7.907	3.537	48798	20	24.023	5.350	48870	18	2.148	8.416	48942	15	11.316	10.122
				48727	21	8.269	3.655	48799	30	24.445	5.740	48871	16	3.735	8.496	48943	10	11.610	10.712
				48728	11	9.762	3.086	48800	40	25.994	5.372	48872	14	4.892	8.635	48944*	45	12.288	10.824
				48729	12	10.584	3.676	48801	14	0.120	6.244	48873	13	5.519	8.581	48945	21	13.316	10.678
				48730	34	10.816	3.410	48802	20	2.678	6.316	48874	23	6.502	8.975	48946	21	13.332	10.095
				48731	28	10.880	3.914	48803	12	4.420	6.755	48875	15	6.758	8.618	48947*	40	13.462	10.208
				48732	10	10.946	3.114	48804	19	5.410	6.554	48876	20	7.109	8.532	48948	20	13.913	10.325
				48733	10	11.464	3.060	48805	22	6.366	6.744	48877*	38	7.216	8.338	48949	26	14.580	10.714
				48734	13	12.774	3.551	48806	20	6.866	6.542	48878	10	7.244	8.636	48950	22	14.586	10.074
				48735	12	13.955	3.252	48807	20	8.438	6.146	48879	10	7.624	8.294	48951	13	15.555	10.182
				48736	18	16.200	3.598	48808	20	8.636	6.999	48880	12	10.115	8.680	48952	11	21.954	10.276
				48737*	60	17.353	3.831	48809	12	9.283	6.150	48881	20	11.680	8.756	48953	12	22.695	10.060
				48738	26	17.630	3.905	48810	12	10.676	6.142	48882	9	15.002	8.619	48954	20	23.664	10.046
				48739	16	17.645	3.995	48811	12	10.788	6.820	48883	12	15.140	8.160	48955	20	23.896	10.010
				48740	14	18.220	3.640	48812	11	11.722	6.672	48884	24	15.791	8.762	48956	20	24.445	10.720
				48741	20	19.394	3.631	48813	11	11.948	6.676	48885	19	16.505	8.650	48957	25	25.550	10.520
				48742	24	20.369	3.335	48814	10	12.566	6.185	48886*	40	18.158	8.992	48958	12	25.897	10.670
				48743	11	20.740	3.205	48815	26	13.870	6.927	48887*	65	18.613	8.825	48959	20	0.204	11.720
				48744*	41	21.298	3.460	48816	24	15.874	6.479	48888*	63	19.294	8.615	48960	20	0.895	11.425
				48745	12	21.546	3.989	48817	20	18.402	6.670	48889	32	21.294	8.396	48961	18	1.852	11.123
				48746	20	22.248	3.026	48818	10	19.800	6.226	48890	18	21.620	8.270	48962	21	2.072	11.369
				48747	18	23.452	3.552	48819	16	21.066	6.845	48891	12	21.685	8.755	48963	12	2.964	11.476
				48748	25	25.623	3.282	48820*	60	21.240	6.318	48892	34	21.748	8.922	48964	14	5.690	11.175
				48749	12	0.864	4.269	48821	23										

49329	24	11.118	24.102	49412	9	17.190	0.680	49484	32	4.804	5.024	49556	12	25.326	8.670	49628	19	5.599	13.920
49330	14	11.858	24.686	49413	13	19.185	0.450	49485	22	6.134	5.970	49557	14	25.612	8.345	49629	17	7.510	13.026
49331	14	12.210	24.977	49414	14	19.845	0.100	49486	19	7.630	5.087	49558	12	0.796	9.860	49630*	39	9.648	13.472
49332	15	12.590	24.219	49415	35	23.698	0.854	49487	16	13.923	5.281	49559*	37	0.858	9.704	49631	10	15.152	13.714
49333	10	13.425	24.839	49416	14	23.930	0.338	49488	10	14.466	5.156	49560	16	1.390	9.926	49632	11	18.450	13.648
49334	12	14.040	24.794	49417	17	1.426	1.716	49489*	40	10.368	5.780	49561	14	1.621	9.889	49633	15	19.999	13.020
49335	21	14.922	24.410	49418	28	2.570	1.224	49490	10	17.090	5.690	49562	10	1.638	9.106	49634	10	25.868	13.978
49336*	38	16.440	24.910	49419	18	2.800	1.630	49491	20	18.874	5.830	49563	11	3.180	9.838	49635	21	0.446	14.682
49337*	35	16.764	24.870	49420	14	3.726	1.990	49492	9	25.470	5.055	49564	20	4.220	9.566	49636	10	0.563	14.240
49338	12	18.086	24.350	49421	21	6.418	1.041	49493	10	25.778	5.414	49565	12	6.680	9.866	49637*	45	1.054	14.112
49339*	31	18.414	24.008	49422	16	10.190	1.045	49494	24	0.200	6.182	49566	28	15.352	9.094	49638*	75	1.080	14.066
49340	25	19.290	24.390	49423	12	11.490	1.074	49495	31	0.662	6.572	49567	10	19.878	9.800	49639*	125	3.590	14.867
49341	28	19.456	24.290	49424	13	13.390	1.445	49496	28	2.028	6.036	49568	24	20.506	9.072	49640	10	3.750	14.260
49342*	34	20.236	24.860	49425	30	14.850	1.034	49497	33	2.850	6.460	49569	24	21.218	9.471	49641	44	4.375	14.946
49343	15	20.722	24.501	49426	10	17.296	1.879	49498	10	2.943	6.496	49570	21	21.865	9.210	49642	18	4.690	14.254
49344	21	25.298	24.230	49427	17	18.408	1.994	49499	12	4.622	6.776	49571	14	24.328	9.942	49643	28	8.772	14.490
49345	40	0.105	25.470	49428	13	19.637	1.772	49500	12	5.233	6.397	49572	10	24.478	9.562	49644	10	8.830	14.080
49346	30	0.418	25.001	49429	11	19.864	1.532	49501	22	10.144	6.276	49573	20	0.148	10.910	49645	17	8.870	14.682
49347	17	0.714	25.804	49430	13	20.300	1.380	49502	10	11.618	6.432	49574	11	2.180	10.592	49646	10	8.999	14.450
49348	14	1.908	25.128	49431	13	20.630	1.125	49503	28	12.672	6.350	49575*	31	3.282	10.384	49647	27	11.258	14.188
49349	16	2.871	25.422	49432	10	21.095	1.250	49504	15	14.472	6.309	49576	13	3.318	10.978	49648	12	12.458	14.022
49350	10	7.377	25.030	49433	28	22.334	1.239	49505	29	16.141	6.948	49577	24	3.560	10.926	49649	10	13.592	14.820
49351	53	7.831	25.482	49434	27	23.938	1.356	49506	10	17.786	6.886	49578	10	3.630	10.530	49650*	39	14.702	14.604
49352	11	8.164	25.756	49435	57	24.224	1.486	49507	10	18.370	6.174	49579*	48	5.060	10.446	49651	10	22.542	14.616
49353	16	9.288	25.785	49436	11	24.920	1.370	49508	36	19.780	6.822	49580	28	6.544	10.663	49652	10	23.510	14.537
49354	25	9.615	25.095	49437	10	25.012	1.648	49509	38	20.046	6.948	49581	13	7.000	10.832	49653	26	24.266	14.238
49355	13	14.868	25.353	49438	41	0.054	2.064	49510	11	20.999	6.550	49582	20	14.478	10.505	49654	45	25.118	14.386
49356	23	16.928	25.490	49439	60	0.080	2.060	49511	13	21.106	6.034	49583*	31	14.835	10.312	49655	53	0.110	15.490
49357	16	18.631	25.064	49440	17	0.343	2.234	49512	11	22.184	6.044	49584	21	15.970	10.067	49656	12	1.742	15.176
49358	25	18.722	25.025	49441	12	0.846	2.720	49513	30	23.998	6.880	49585	12	16.269	10.035	49657	17	1.788	15.776
49359	14	19.219	25.452	49442	26	3.242	2.848	49514	10	24.864	6.104	49586	13	16.998	10.764	49658*	51	6.876	15.564
49360	11	20.471	25.454	49443	9	11.497	2.462	49515	72	0.055	7.753	49587	16	17.856	10.585	49659	15	7.380	15.150
49361	28	20.861	25.456	49444*	40	11.520	2.120	49516	15	0.890	7.684	49588*	38	18.209	10.415	49660	10	8.100	15.180
49362	21	21.994	25.656	49445	10	13.788	2.126	49517	18	2.324	7.100	49589	34	19.645	10.822	49661	17	10.445	15.548
49363	11	22.426	25.801	49446	10	14.250	2.130	49518	18	5.925	7.136	49590	17	21.713	10.738	49662*	48	11.782	15.010
49364	16	23.044	25.328	49447	8	14.694	2.200	49519	22	6.783	7.185	49591	11	21.758	10.161	49663	17	14.782	15.746
49365	11	25.090	25.302	49448*	58	23.174	2.276	49520	14	8.858	7.825	49592	15	23.938	10.948	49664	12	15.001	15.884
				49449	16	24.120	2.580	49521	10	9.094	7.480	49593*	48	23.984	10.076	49665	12	19.282	15.135
				49450	39	24.532	2.143	49522	28	12.412	7.820	49594	13	24.203	10.665	49666*	63	19.402	15.548
				49451	32	24.578	2.294	49523	13	13.350	7.476	49595	28	24.702	10.062	49667*	48	23.125	15.310
				49452	14	1.121	3.430	49524	11	14.851	7.502	49596	29	25.940	10.460	49668	20	23.520	15.314
				49453	28	3.290	3.145	49525*	30	18.240	7.116	49597	14	3.418	11.102	49669	10	1.305	16.530
				49454	42	4.160	3.081	49526	24	18.294	7.626	49598	12	5.152	11.176	49670	16	2.462	16.185
				49455	22	4.560	3.802	49527	28	18.912	7.120	49599	29	6.034	11.078	49671*	53	6.880	16.248
				49456	30	5.406	3.124	49528	10	21.240	7.274	49600	10	6.070	11.064	49672	16	7.081	16.970
				49457	9	11.460	3.636	49529	30	22.305	7.564	49601	13	7.263	11.383	49673	15	11.170	16.384
				49458	11	13.762	3.334	49530	13	25.084	7.265	49602	18	7.956	11.640	49674	29	11.410	16.490
				49459	9	20.186	3.510	49531	60	0.215	8.326	49603*	80	9.337	11.910	49675	26	17.390	16.040
				49460	15	23.922	3.686	49532	16	2.284	8.400	49604	17	9.558	11.924	49676*	41	17.491	16.572
				49461*	48	2.286	4.519	49533*	48	2.600	8.932	49605	20	11.040	11.592	49677	14	19.740	16.240
				49462	13	3.668	4.768	49534	10	2.932	8.575	49606	12	12.768	11.323	49678*	61	20.810	16.590
				49463	12	6.384	4.740	49535	12	4.220	8.241	49607	28	15.048	11.056	49679	22	22.104	16.456
				49464*	45	8.171	4.485	49536	13	4.292	8.170	49608	38	15.360	11.642	49680	19	22.812	16.497
				49465	24	9.452	4.675	49537	22	6.200	8.728	49609*	56	16.700	11.096	49681	10	23.618	16.832
				49466	20	10.244	4.043	49538*	35	6.690	8.018	49610	10	17.070	11.246	49682	14	25.438	16.714
				49467*	38	11.602	4.380	49539	16	10.360	8.750	49611	14	20.686	11.066	49683	10	4.136	17.760
				49468	11	12.077	4.406	49540	11	11.790	8.612	49612	12	21.768	11.100	49684	12	4.136	17.040
				49469	10	12.860	4.714	49541	28	13.270	8.657	49613	14	25.354	11.946	49685	25	4.230	17.116
				49470	24	14.760	4.620	49542*	34	14.228	8.396	49614	10	0.241	12.847	49686*	33	7.075	17.850
				49471	25	15.870	4.293	49543	38	15.432	8.028	49615	10	2.237	12.419	49687	30	10.218	17.734
				49472	21	16.390	4.453	49544	10	16.244	8.627	49616	13	2.426	13.472	49688	16	12.464	17.044
				49473*	48	19.060	4.624	49545	10	16.610	8.510	49617	17	10.742	12.450	49689	27	13.730	17.292
				49474	10	20.113	4.078	49546	15	17.250	8.739	49618*	49	13.834	12.698	49690	27	16.666	17.568
				49475	38	22.750	4.158	49547	24	17.454	8.060	49619	38	14.498	12.144	49691	12	17.730	17.670
				49476*	53	22.760	4.040	49548	9	17.830	8.499	49620	25	20.165	12.730	49692	10	20.460	17.946
				49477	10	22.938	4.058	49549	12	19.329	8.800	49621	22	22.439	12.907	49693</			

49700	21	3.000	18-154	49772	21	0.764	22.740	<div>R.A. 10^h 28^m</div> <div>Plate 1905; 1922 Feb. 20.</div> <div>Provisional Constants.</div> <div>A B C</div> <div>-01772 +00480 -2175</div> <div>D E F</div> <div>-00480 -01774 -1685</div> <div>Mag.=15.4-0.96√d</div>	49906	27	19.714	5.903	49978	9	20.797	10.934
49701	14	3.143	18-176	49773	15	1.156	22.220		49907	14	24.402	5.916	49979	8	20.829	10.932
49702	10	5.430	18-872	49774	14	5.472	22.555		49908	9	0.044	6.373	49980	18	22.802	10.290
49703	26	5.574	18-474	49775	15	6.372	22.712		49909	20	6.948	6.020	49981	20	25.365	10.486
49704	10	5.950	18-640	49776	10	6.965	22.840		49910	20	7.847	6.444	49982	17	0.708	11.068
49705	13	7.636	18-250	49777	12	7.080	22.675		49911	9	8.065	6.577	49983	13	0.768	11.428
49706*	28	8.235	18-130	49778*	113	7.744	22.144		49912	19	9.248	6.980	49984	14	1.935	11.250
49707	10	8.422	18-120	49779*	26	11.472	22.478		49913	16	10.132	6.248	49985	14	18.225	11.612
49708	12	10.990	18-724	49780	10	12.266	22.280		49914	22	12.343	6.430	49986	24	20.824	11.584
49709	17	11.659	18-449	49781	14	14.750	22.935		49915	18	13.650	6.026	49987	14	22.878	11.163
49710	11	14.786	18-956	49782	10	17.345	22.426	49916	9	13.702	6.070	49988	19	2.516	12.747	
49711	28	15.034	18-990	49783	21	20.462	22.526	49917	10	13.769	6.423	49989	10	4.364	12.230	
49712	22	17.094	18-850	49784*	50	22.912	22.728	49918	20	14.767	6.115	49990	18	5.517	12.134	
49713*	42	17.286	18-700	49785	16	23.470	22.776	49919	9	0.190	7.610	49991	19	6.438	12.805	
49714*	56	20.336	18-890	49786	17	23.858	22.555	49920	27	1.260	7.888	49992	13	18.652	12.282	
49715	14	21.177	18-040	49787	10	25.968	22.150	49921	21	2.942	7.182	49993	14	18.874	12.511	
49716	13	21.565	18-760	49788*	75	4.702	23.400	49922	10	4.036	7.558	49994*	28	18.992	12.107	
49717	25	25.780	18-886	49789*	41	5.226	23.154	49923	19	4.974	7.296	49995*	32	19.232	12.174	
49718	18	0.005	19.910	49790	10	6.380	23.776	49924	16	6.163	7.100	49996	8	23.148	12.732	
49719	31	1.829	19.436	49791	19	7.087	23.180	49925*	21	6.754	7.615	49997	9	23.704	12.682	
49720	10	1.888	19.246	49792*	42	10.996	23.346	49926	15	11.178	7.024	49998	13	24.530	12.201	
49721*	44	6.955	19.671	49793	10	12.150	23.194	49927	12	12.670	7.756	49999	14	24.626	12.124	
49722	10	11.600	19.503	49794*	36	18.561	23.649	49928	9	16.044	7.314	50000	14	25.184	12.262	
49723	27	11.785	19.654	49795	11	20.508	23.236	49929	26	16.804	7.608	50001	9	0.756	13.184	
49724*	39	12.516	19.430	49796	42	20.666	23.330	49930	9	18.868	7.334	50002	21	1.460	13.227	
49725	10	12.966	19.656	49797*	62	23.156	23.185	49931	14	19.372	7.722	50003	12	3.888	13.209	
49726	21	13.058	19.368	49798	10	23.893	23.464	49932	18	24.208	7.978	50004*	62	12.132	13.582	
49727	16	13.872	19.732	49799	10	23.918	23.204	49933	25	2.719	8.406	50005	9	12.312	13.101	
49728	14	14.135	19.503	49800	13	24.298	23.224	49934	11	4.295	8.958	50006*	31	12.498	13.742	
49729	11	14.587	19.075	49801	39	25.718	23.036	49935	14	4.575	8.627	50007	28	12.588	13.835	
49730	30	19.904	19.385	49802	34	25.718	23.848	49936	14	7.456	8.416	50008	10	14.482	13.941	
49731	8	21.034	19.460	49803	10	25.764	23.886	49937*	24	9.263	8.614	50009*	33	17.724	13.451	
49732	18	21.130	19.452	49804	20	3.154	24.098	49938*	20	10.224	8.125	50010	11	19.716	13.918	
49733	10	0.455	20.450	49805*	29	4.767	24.914	49939	22	10.250	8.829	50011	20	20.015	13.630	
49734	10	1.368	20.850	49806	12	5.808	24.716	49940	19	11.810	8.416	50012*	32	21.142	13.992	
49735	24	2.575	20.740	49807	15	6.313	24.425	49941	13	12.385	8.444	50013	33	25.591	13.034	
49736	10	2.983	20.680	49808*	33	6.366	24.571	49942*	22	13.102	8.324	50014	9	1.584	14.934	
49737	31	3.310	20.873	49809	10	6.510	24.894	49943	11	13.462	8.672	50015	9	2.554	14.842	
49738*	34	5.516	20.710	49810	10	7.602	24.999	49944*	67	19.015	8.521	50016	24	3.303	14.536	
49739	19	6.498	20.454	49811	17	9.969	24.343	49945	11	19.070	8.463	50017*	36	4.154	14.674	
49740	12	6.731	20.757	49812	19	15.390	24.180	49946*	25	21.803	8.386	50018	9	4.379	14.095	
49741	26	7.550	20.074	49813	19	18.796	24.736	49947	19	0.198	9.806	50019	9	4.900	14.254	
49742	29	9.398	20.020	49814	26	18.891	24.121	49948	21	0.638	9.089	50020	9	6.040	14.252	
49743	13	9.980	20.682	49815	21	23.922	24.788	49949	20	0.841	9.536	50021	17	6.096	14.967	
49744	11	11.531	20.981	49816	32	24.022	24.050	49950	9	3.459	9.857	50022	11	7.278	14.283	
49745	27	12.224	20.865	49817	10	0.300	25.692	49951*	21	6.320	9.298	50023*	34	9.824	14.470	
49746	10	12.320	20.275	49818	13	0.910	25.216	49952	18	6.366	9.834	50024*	36	10.238	14.952	
49747	12	14.812	20.900	49819	10	3.578	25.414	49953	18	6.886	9.308	50025*	32	11.156	14.885	
49748*	35	19.211	20.267	49820	17	4.576	25.076	49954	16	8.322	9.340	50026	10	15.095	14.131	
49749	12	21.401	20.736	49821	27	5.100	25.783	49955	20	9.742	9.246	50027	20	18.710	14.144	
49750	29	0.235	21.020	49822	11	5.470	25.777	49956	20	12.070	9.887	50028	9	20.870	14.170	
49751	9	0.800	21.417	49823	20	10.630	25.818	49957	21	12.342	9.848	50029	26	22.360	14.436	
49752	13	0.804	21.070	49824	75	11.213	25.347	49958	19	15.223	9.423	50030	8	23.450	14.122	
49753	13	3.890	21.390	49825	26	12.765	25.350	49959	28	18.046	9.077	50031*	37	2.175	15.622	
49754	28	7.555	21.770	49826	10	12.965	25.083	49960	12	19.097	9.001	50032	20	2.573	15.620	
49755	12	10.370	21.125	49827	12	13.180	25.996	49961*	40	19.622	9.621	50033	10	5.480	15.243	
49756	9	12.312	21.675	49828	10	17.305	25.110	49962	19	19.664	9.996	50034	12	6.339	15.900	
49757	10	12.751	21.024	49829	27	19.332	25.867	49963	12	24.762	9.214	50035*	40	7.744	15.116	
49758	20	12.786	21.339	49830	15	19.460	25.870	49964	8	24.980	9.940	50036	17	8.742	15.322	
49759	24	16.374	21.720	49831	10	19.626	25.512	49965	27	25.904	9.672	50037	13	9.511	15	

50050*	47	6.783	16.582	50122	35	25.186	20.942	50194	9	0.550	25.217	50276	43	24.000	0.886	50348	17	17.070	+228
50051	21	8.396	16.209	50123	9	0.523	21.071	50195	10	1.924	25.522	50277	19	24.323	0.262	50349	27	17.146	+598
50052	9	11.644	16.262	50124	39	1.148	21.572	50196	19	2.426	25.657	50278	11	1.126	1.634	50350	29	18.151	+768
50053	10	11.700	16.240	50125	12	1.660	21.333	50197*	39	2.950	25.352	50279	10	1.694	1.400	50351*	40	20.010	+270
50054	20	12.816	16.373	50126*	38	3.758	21.674	50198	24	3.093	25.086	50280	23	6.276	1.120	50352	27	21.170	+428
50055	10	16.456	16.620	50127	14	7.894	21.182	50199	24	6.136	25.868	50281	29	6.314	1.673	50353	29	25.360	+281
50056	13	19.574	16.807	50128	24	8.655	21.852	50200	11	6.747	25.138	50282	19	6.816	1.300	50354	17	25.716	+046
50057	22	20.702	16.337	50129	11	8.930	21.497	50201	12	6.898	25.653	50283	19	6.915	1.574	50355	41	25.748	+032
50058	12	22.874	16.694	50130	10	11.465	21.465	50202	15	7.998	25.222	50284	26	7.884	1.626	50356	11	2.225	5.074
50059*	31	24.390	16.576	50131	22	12.737	21.304	50203	11	8.036	25.184	50285	25	10.966	1.010	50357	22	7.917	5.040
50060	36	24.874	16.948	50132	26	12.917	21.707	50204	21	8.699	25.147	50286	10	12.552	1.731	50358	10	9.857	5.745
50061	16	25.708	16.954	50133	10	14.542	21.489	50205	14	13.156	25.808	50287	12	13.082	1.594	50359	23	12.034	5.519
50062	14	25.710	16.975	50134	11	16.566	21.342	50206	16	14.362	25.030	50288	17	13.240	1.641	50360	32	12.600	5.634
50063	9	1.066	17.754	50135	10	16.639	21.426	50207	20	14.522	25.768	50289	16	13.330	1.641	50361	15	14.054	5.274
50064	10	2.690	17.138	50136*	52	17.078	21.800	50208	10	15.681	25.548	50290	34	15.254	1.870	50362	10	14.360	5.340
50065	21	6.448	17.582	50137	13	18.908	21.238	50209	33	15.823	25.519	50291	17	20.388	1.362	50363*	33	14.936	5.310
50066*	39	7.998	17.600	50138	10	19.966	21.607	50210	8	16.170	25.343	50292	38	21.760	1.862	50364	16	15.946	5.440
50067*	34	9.109	17.907	50139	20	20.252	21.182	50211	13	17.662	25.822	50293	19	22.558	1.609	50365	24	16.642	5.358
50068	26	10.250	17.370	50140	18	3.000	22.856	50212	9	18.918	25.668	50294	10	23.258	1.850	50366	10	18.050	5.526
50069	20	13.210	17.224	50141	22	3.663	22.078	50213	15	19.720	25.592	50295	21	23.692	1.086	50367	20	18.240	5.648
50070	14	13.558	17.666	50142	10	5.105	22.422	50214	14	20.259	25.912	50296	15	25.190	1.480	50368*	44	18.434	5.380
50071	20	19.519	17.838	50143	15	8.157	22.535	50215	18	22.968	25.041	50297	16	25.712	1.062	50369	12	18.530	5.702
50072*	31	19.664	17.797	50144	11	8.822	22.948	50216	9	23.367	25.690	50298	13	0.554	2.765	50370	11	20.212	5.659
50073	21	20.864	17.570	50145	8	10.101	22.774	50217	11	25.607	25.347	50299	21	1.970	2.264	50371	23	21.275	5.194
50074	18	0.264	18.376	50146	17	12.082	22.062	50218	9	25.806	25.544	50300*	51	2.337	2.606	50372*	45	22.050	5.918
50075	10	2.934	18.072	50147*	36	13.312	22.068					50301	29	4.234	2.752	50373	10	22.920	5.222
50076	23	4.870	18.664	50148	20	13.654	22.807					50302	10	7.644	2.486	50374	20	23.046	5.820
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50079	13	6.486	18.444	50151	12	16.958	22.257					50305	34	10.860	2.990	50377*	44	23.749	5.777
50080	12	8.435	18.852	50152	12	17.782	22.420					50306	22	11.320	2.742	50378	29	2.700	6.050
50081	19	11.273	18.551	50153	18	19.017	22.884					50307	15	12.064	2.261	50379	10	4.415	6.236
50082	23	11.837	18.670	50154	24	22.828	22.116					50308	30	12.389	2.350	50380	31	4.654	6.546
50083	13	11.951	18.234	50155	19	24.808	22.027					50309	11	12.390	2.246	50381	14	4.670	6.557
50084	25	15.815	18.654	50156	18	25.946	22.166					50310	20	12.656	2.120	50382	18	5.542	6.059
50085	9	17.742	18.481	50157*	47	2.052	23.040					50311	10	12.779	2.811	50383	14	6.608	6.289
50086	26	17.794	18.475	50158*	52	2.301	23.496					50312	25	13.011	2.402	50384	27	8.538	6.990
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50089	10	20.018	18.504	50161	8	3.068	23.505					50315	12	16.611	2.879	50387	12	10.703	6.284
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50103	20	13.304	19.366	50175*	30	4.874	24.124					50329	15	9.593	3.266	50401	10	6.310	7.116
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50109	26	22.667	19.762	50181*	45	12.091	24.618					50335	10	18.170	3.358	50407*	32	12.986	7.016
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50806	13	17-792	3-910	50878	19	14-743	8-779	50950	21	20-878	13-510	51022	9	7-310	19-676	51094	14	13-382	23-320
50807	28	18-746	3-764	50879	22	17-699	8-829	50951*	47	21-080	13-644	51023	23	7-809	19-656	51095	14	13-840	23-960
50808	21	19-166	3-728	50880	14	18-718	8-732	50952	10	22-833	13-393	51024	12	14-324	19-712	51096*	45	14-326	23-396
50809	34	19-498	3-991	50881	15	19-682	8-690	50953	11	23-044	13-102	51025	12	17-758	19-994	51097	16	14-798	23-490
50810	26	20-911	3-420	50882*	33	20-480	8-900	50954	38	23-389	13-538	51026	12	20-358	19-968	51098	9	16-094	23-668
50811	17	22-015	3-200	50883*	58	22-932	8-700	50955	57	25-220	13-208	51027	10	21-163	19-616	51099	9	16-326	23-858
50812	15	22-040	3-986	50884*	60	23-398	8-430	50956	28	25-407	13-074	51028	22	24-042	19-151	51100	17	16-736	23-082
50813	30	22-402	3-902	50885	21	23-457	8-710	50957	11	25-532	13-899	51029	11	24-279	19-721	51101	11	22-808	23-950
50814	30	22-423	3-922	50886*	45	24-903	8-383	50958	40	5-457	14-920	51030	11	1-015	20-436	51102	28	23-183	23-271
50815	15	24-714	3-050	50887	13	1-802	9-386	50959	42	6-135	14-756	51031	10	3-776	20-576	51103	25	24-702	23-136
50816	34	3-700	4-516	50888	14	1-972	9-488	50960	25	7-806	14-318	51032	16	4-030	20-180	51104	10	25-308	23-424
50817	22	4-054	4-277	50889	17	2-193	9-640	50961	25	8-648	14-403	51033*	32	4-800	20-103	51105	14	3-138	24-557
50818*	51	4-082	4-262	50890	32	4-030	9-652	50962	30	9-332	14-280	51034	23	6-869	20-416	51106	23	3-644	24-198
50819	10	5-870	4-415	50891	10	7-572	9-593	50963	13	10-967	14-680	51035	9	9-606	20-810	51107	24	6-890	24-600
50820	40	6-948	4-736	50892	30	8-512	9-096	50964*	60	20-214	14-444	51036	18	10-484	20-694	51108*	75	8-986	24-712
50821	14	7-701	4-958	50893	20	10-414	9-950	50965	9	24-230	14-365	51037	26	15-332	20-150	51109	10	9-320	24-626
50822	34	10-329	4-814	50894	27	10-882	9-010	50966	11	3-972	15-058	51038	16	17-902	20-914	51110*	37	9-895	24-359
50823	10	14-399	4-712	50895	12	17-615	9-930	50967	10	5-123	15-120	51039	13	20-040	20-746	51111	14	12-608	24-997
50824	17	15-956	4-728	50896	10	20-833	9-078	50968	18	14-693	15-770	51040	9	20-110	20-646	51112	13	12-780	24-760
50825	11	21-656	4-345	50897	19	21-081	9-454	50969	20	16-798	15-279	51041	30	21-600	20-150	51113	10	13-958	24-834
50826	17	22-225	4-130	50898*	53	22-138	9-511	50970*	39	20-880	15-490	51042	15	22-233	20-573	51114	11	14-248	24-518
50827	43	22-982	4-611	50899	15	0-209	10-400	50971	17	20-940	15-973	51043	32	0-426	21-918	51115	10	14-611	24-952
50828	17	24-874	4-952	50900	10	1-100	10-384	50972	13	23-098	15-486	51044	10	1-590	21-308	51116	16	15-483	24-666
50829	11	25-400	4-670	50901	10	11-026	10-962	50973	10	25-616	15-401	51045	30	5-458	21-946	51117	11	16-110	24-533
50830	10	1-274	5-492	50902	30	13-326	10-390	50974	17	25-640	15-684	51046*	35	7-568	21-196	51118	33	16-304	24-470
50831*	46	1-562	5-475	50903	19	13-500	10-470	50975	19	1-398	16-935	51047*	47	8-696	21-804	51119	13	17-545	24-601
50832	32	1-857	5-888	50904	13	15-524	10-167	50976	13	3-300	16-714	51048	16	13-300	21-918	51120	32	19-488	24-110
50833	10	3-725	5-234	50905	10	15-773	10-486	50977	30	3-545	16-024	51049	20	13-706	21-457	51121	26	19-790	24-638
50834	10	4-164	5-862	50906	11	16-708	10-334	50978	11	10-220	16-309	51050	28	14-186	21-526	51122	25	20-230	24-760
50835	14	5-309	5-832	50907	19	19-302	10-500	50979	43	11-790	16-866	51051	22	16-200	21-360	51123	16	20-884	24-496
50836	18	5-874	5-794	50908	16	21-440	10-371	50980*	43	12-861	16-250	51052	26	17-590	21-140	51124	18	1-820	25-312
50837*	52	6-556	5-136	50909	11	24-740	10-086	50981	39	15-388	16-620	51053	23	19-453	21-724	51125*	56	3-256	25-234
50838	46	9-104	5-906	50910	12	25-002	10-400	50982	15	15-834	16-234	51054	17	21-970	21-354	51126	11	4-666	25-955
50839	19	9-351	5-400	50911	10	0-898	11-846	50983	26	18-271	16-724	51055	38	23-933	21-600	51127*	50	7-600	25-135
50840	9	9-958	5-866	50912	32	3-268	11-373	50984	12	20-428	16-700	51056	17	24-068	21-622	51128	16	8-278	25-134
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50842*	50	14-038	5-864	50914	9	4-216	11-170	50986	24	23-720	16-734	51058	28	24-262	21-254	51130	37	10-983	25-292
50843	12	14-140	5-015	50915*	39	4-478	11-236	50987	16	25-780	16-649	51059	11	25-451	21-044	51131	32	13-560	25-644
50844*	40	14-560	5-203	50916	14	4-983	11-585	50988	18	0-514	17-200	51060	51	0-506	22-100	51132	10	13-800	25-106
50845	12	19-814	5-596	50917*	102	6-080	11-590	50989	10	1-851	17-663	51061	28	1-890	22-608	51133	13	15-590	25-939
50846	28	24-820	5-796	50918	28	8-494	11-484	50990	12	2-260	17-050	51062	21	2-728	22-944	51134	22	16-400	25-950
50847	13	0-385	6-420	50919*	48	11-203	11-845	50991	28	4-145	17-373	51063	24	4-962	22-930	51135	10	19-574	25-706
50848	60	0-408	6-195	50920	14	12-507</													

R.A. 10 ^h 52 ^m				R.A. 11 ^h 0 ^m			
Plate 1942; 1922 Mar. 22.				Plate 1943; 1922 Mar. 22.			
Provisional Constants.				Provisional Constants.			
A	B	C		A	B	C	
-01778	+00079	+1058		-01760	+00544	-5596	
D	E	F		D	E	F	
-00109	-01773	-1610		-00551	-01763	-2668	
Mag. = 16.5 - 0.96√d				Mag. = 16.0 - 0.96√d			
No.	d	x	y	No.	d	x	y
51151	18	1.046	0.564	51451	18	3.068	0.720
51152	18	11.656	0.274	51452	9	4.600	0.286
51153	16	17.905	0.524	51453	21	7.796	0.927
51154	34	22.721	0.722	51454	9	8.978	0.443
51155	17	25.878	0.836	51455	39	11.895	0.986
51156	15	1.570	1.540	51456	9	12.413	0.313
51157	32	2.121	1.906	51457	16	13.402	0.138
51158	38	2.342	1.822	51458	10	14.268	0.696
51159	12	2.546	1.539	51459	29	14.794	0.728
51160	38	5.510	1.424	51460	25	18.004	0.480
51161	10	6.816	1.600	51461	13	19.687	0.576
51162	24	8.100	1.652	51462	44	21.084	0.742
51163	25	9.094	1.386	51463	11	21.574	0.223
51164	23	16.953	1.976	51464	20	23.654	0.491
51165	14	19.264	1.113	51465	22	24.479	0.936
51166	41	0.173	2.774	51466	30	3.956	1.863
51167	14	1.110	2.686	51467	22	13.408	1.528
51168	17	1.629	2.872	51468	19	18.710	1.872
51169	14	9.861	2.931	51469	11	18.763	1.819
51170	19	16.633	2.986	51470	10	23.172	1.050
51171	16	16.825	2.318	51471	8	23.469	1.800
51172	12	0.101	3.299	51472	12	25.465	1.616
51173	17	2.800	3.132	51473	40	25.830	1.780
51174	15	5.864	3.415	51474	16	3.067	2.962
51175	23	8.526	3.954	51475	12	3.325	2.790
51176	15	8.760	3.825	51476	11	5.378	2.370
51177	15	13.915	3.095	51477	9	6.360	2.914
51178	16	14.070	3.958	51478	28	11.241	2.487
51179	23	21.414	3.481	51479	10	12.833	2.014
51180	18	22.106	3.298	51480	20	13.868	2.446
51181	38	23.158	3.952	51481	37	18.696	2.128
51182	32	23.858	3.301	51482	34	0.400	3.882
51183	16	25.835	3.076	51483	31	1.090	3.220
51184	13	0.132	4.084	51484	30	1.456	3.982
51185	15	0.315	4.225	51485	8	3.247	3.747
51186	22	0.488	4.000	51486	8	5.728	3.312
51187	23	0.512	4.016	51487	31	6.707	3.357
51188	38	1.072	4.706	51488	10	8.470	3.693
51189	19	7.666	4.290	51489	43	8.872	3.953
51190	32	8.028	4.144	51490	20	10.028	3.592
51191	19	10.418	4.945	51491	62	11.544	3.530
51192	48	11.175	4.937	51492	14	11.643	3.588
51193	17	17.384	4.071	51493	31	13.515	3.412
51194	38	18.474	4.932	51494	8	14.050	3.083
51195	24	21.826	4.996	51495	24	17.194	3.252
51196	14	22.077	4.305	51496	9	20.148	3.848
51197	36	23.108	4.263	51497	11	22.904	3.143
51198	36	24.212	4.066	51498	32	0.359	4.194
51199	24	2.920	5.876	51499	14	4.574	4.048
51200	15	2.970	5.035	51500	16	4.712	4.672
51201	18	5.110	5.784	51501	20	6.370	4.774
51202	18	5.544	5.276	51502	24	9.374	4.206
51203	24	7.764	5.023	51503	12	9.951	4.498
51204	78	8.424	5.437	51504	9	11.100	4.641
51205	20	11.666	5.342	51505	20	12.824	4.906
51206	22	15.540	5.286	51278*	27	4.885	13.446
51207	14	19.900	5.678	51279	13	9.488	13.059
51208	26	1.492	6.331	51280*	39	11.994	13.224
51209	23	5.094	6.942	51281	17	17.840	13.378
51210	22	6.708	6.878	51282	23	21.686	13.794
51211	19	6.796	6.884	51283	16	24.340	13.692
51212*	70	9.205	6.793	51284	31	4.506	14.014
51213*	28	10.499	6.006	51285	11	5.372	14.529
51214	30	18.346	6.005	51286*	58	5.421	14.853
51215	21	18.575	6.090	51287	18	8.357	14.964
51216	19	18.856	6.420	51288	14	11.360	14.898
51217	15	21.792	6.176	51289	11	1.260	15.582
51218	21	0.252	7.202	51290	17	3.804	15.760
51219	15	8.949	7.487	51291*	39	9.225	15.905
51220	16	9.440	7.050	51292	23	9.650	15.229
51221	17	13.298	7.668	51293	28	10.718	15.256
51222	10	16.490	7.051	51294	13	20.675	15.324
51223	16	24.052	7.596	51295	19	21.264	15.234
51224	21	24.372	7.632	51296	18	1.889	16.824
51225	13	24.854	7.145	51297	24	4.474	16.568
51226	19	25.939	7.594	51298	23	5.494	16.168
51227	59	1.048	8.796	51299	17	6.963	16.876
51228*	60	1.512	8.518	51300	35	9.240	16.320
51229	19	1.576	8.799	51301	38	11.335	16.744
51230*	38	3.016	8.466	51302	22	19.046	16.736
51231*	78	5.706	8.488	51303	17	20.102	16.894
51232*	55	9.430	8.588	51304	19	25.340	16.576
51233	17	10.166	8.976	51305	11	1.150	17.444
51234	18	20.860	8.076	51306	23	4.526	17.771
51235*	38	20.982	8.414	51307	14	7.592	17.264
51236	14	23.503	8.858	51308	19	9.236	17.987
51237*	36	24.336	8.111	51309	31	10.178	17.786
51238	46	0.258	9.610	51310	38	10.575	17.444
51239*	39	6.818	9.808	51311*	42	14.900	17.364
51240	13	10.160	9.014	51312	15	21.217	17.575
51241*	21	11.778	9.134	51313	17	0.378	18.588
51242*	26	12.302	9.064	51314*	42	9.634	18.387
51243*	84	19.246	9.284	51315*	64	11.006	18.595
51244	14	19.324	9.124	51316	25	12.668	18.427
51245*	24	21.038	9.776	51317*	40	13.270	18.240
51246*	54	4.694	10.462	51318	23	15.536	18.150
51247	24	6.320	10.102	51319*	57	15.813	18.534
51248	23	7.744	10.512	51320	23	17.149	18.165
51249	10	8.644	10.286	51321	21	17.194	18.940
51250	17	10.316	10.808	51322	15	18.345	18.546
51251	12	22.294	10.887	51323	23	18.465	18.003
51252*	35	22.547	10.090	51324	19	23.724	18.790
51253	34	25.714	10.133	51325	21	25.132	18.416
51254	38	3.973	11.422	51326	21	25.551	18.436
51255	15	6.624	11.740	51327	17	2.226	19.236
51256	28	9.306	11.274	51328	17	4.402	19.565
51257	25	9.900	11.012	51329*	34	4.666	19.566
51258	11	10.770	11.370	51330*	41	5.126	19.358
51259*	59	13.340	11.044	51331	22	8.958	19.126
51260	12	15.310	11.702	51332	16	10.391	19.326
51261	22	16.184	11.931	51333*	24	18.866	19.896
51262	23	19.112	11.718	51334	10	20.425	19.166
51263	20	21.395	11.128	51335	16	23.462	19.651
51264*	80	22.930	11.224	51336	21	23.764	19.504
51265	11	23.902	11.950	51337	12	0.428	20.672
51266	70	25.602	11.214	51338*	40	7.514	20.385
51267	21	2.549	12.065	51339	24	8.175	20.225
51268	38	3.931	12.214	51340*	30	9.836	20.436
51269*	39	5.656	12.776	51341	10	12.066	20.344
51270*	39	12.350	12.694	51342*	59	17.843	20.449
51271	14	19.056	12.906	51343	22	19.110	20.178
51272*	54	19.724	12.872	51344	18	21.822	20.159
51273	29	23.976	12.131	51345	18	23.138	20.055
51274	33	1.538	13.628	51346	32	2.134	21.686
51275*	57	3.366	13.286	51347	16	2.266	21.706
51276	22	3.552	13.148	51348	21	2.366	21.424
51277	30	4.600	13.616	51349	23	2.456	21.340

51506	10	15-565	4-352	51578	14	21-404	9-396	51650	17	11-845	15-950	51722	15	1-808	21-018	51794	19	2-680	25-494
51507	19	17-028	4-972	51579	8	22-616	9-968	51651	22	15-325	15-972	51723	12	2-135	21-984	51795	21	5-508	25-645
51508	17	18-238	4-488	51580	25	22-832	9-498	51652	20	16-474	15-329	51724	10	3-527	21-742	51796	32	7-090	25-059
51509	23	20-263	4-529	51581	22	24-488	9-028	51653	14	19-022	15-846	51725	11	4-609	21-132	51797*	34	9-352	25-174
51510*	45	20-863	4-154	51582	12	24-594	9-940	51654*	41	20-318	15-474	51726	16	4-637	21-918	51798	9	9-995	25-714
51511*	42	22-018	4-018	51583	11	25-156	9-518	51655	11	20-342	15-599	51727*	34	6-300	21-258	51799	30	11-424	25-666
51512	17	22-726	4-548	51584	11	3-024	10-111	51656	32	21-028	15-099	51728	24	9-832	21-210	51800	16	12-247	25-348
51513	11	5-215	5-754	51585	26	3-070	10-018	51657	8	21-348	15-208	51729	11	10-552	21-826	51801	11	17-911	25-452
51514*	30	6-898	5-048	51586*	43	5-126	10-958	51658	9	22-244	15-958	51730	19	11-253	21-428	51802	12	18-543	25-746
51515*	45	9-746	5-052	51587	11	5-800	10-278	51659	16	2-814	16-470	51731*	32	13-587	21-194	51803	15	19-992	25-240
51516	18	9-846	5-738	51588	9	5-805	10-346	51660*	33	3-478	16-316	51732	16	16-796	21-182	51804	20	20-952	25-890
51517	30	10-207	5-108	51589	10	11-104	10-157	51661	9	4-230	16-350	51733	13	16-802	21-732	51805	19	22-130	25-790
51518	8	10-330	5-256	51590	14	11-699	10-326	51662	25	4-482	16-244	51734	11	17-884	21-098	51806	17	23-544	25-282
51519	9	11-355	5-217	51591	14	13-820	10-981	51663	11	4-574	16-418	51735	12	19-820	21-810				
51520	22	11-914	5-894	51592	18	16-686	10-519	51664	14	7-442	16-028	51736	12	21-098	21-386				
51521	12	12-602	5-295	51593*	60	19-249	10-875	51665*	24	9-852	16-547	51737	15	22-785	21-052				
51522	9	13-112	5-397	51594	57	0-300	11-159	51666*	31	11-115	16-704	51738	29	24-842	21-196				
51523	19	17-276	5-328	51595	8	1-292	11-866	51667	10	12-483	16-875	51739	20	24-996	21-508				
51524	15	20-371	5-981	51596*	52	2-976	11-101	51668	22	13-978	16-348	51740	22	25-748	21-674				
51525	9	21-169	5-705	51597	11	3-042	11-880	51669	32	15-572	16-510	51741	8	0-929	22-288				
51526	14	24-170	5-434	51598	11	4-276	11-567	51670	10	20-396	16-898	51742	21	1-674	22-000				
51527	24	24-762	5-242	51599	11	6-115	11-616	51671*	52	20-698	16-163	51743	30	2-295	22-592				
51528	18	25-745	5-246	51600	9	8-692	11-743	51672	11	22-903	16-434	51744	18	2-448	22-160				
51529	8	1-964	6-512	51601*	36	11-136	11-886	51673	9	23-506	16-500	51745*	33	3-942	22-509				
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52274	18	24-178	11-120	52346	20	10-604	18-126	52418	9	2-948	24-210	52479	30	7-708	2-648	52551	9	25-312	8-441
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52312	12	18-864	15-876	52384	19	9-689	21-876					52517	24	23-450	4-659	52589	49	25-786	11-371
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5231																			

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52600	33	2.456	13.750	52672	58	8.802	18.954	52744	8	20.916	23.466	52809	11	8.682	1.195	52881	100	1.510	11.567
52601	38	2.726	13.843	52673	26	8.822	18.604	52745	18	24.236	23.719	52810	17	9.693	1.052	52882	29	2.784	11.930
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52603	20	4.357	13.370	52675	19	18.311	18.714	52747	16	0.383	24.505	51812	36	19.404	1.129	52884	13	6.768	11.874
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52606	13	15.148	13.614	52678	55	8.453	19.946	52750	16	1.302	24.786	52815	12	3.658	2.225	52887	20	0.612	12.528
52607	39	18.744	13.118	52679	18	19.282	19.633	52751	8	2.172	24.564	52816	31	19.794	2.718	52888	66	6.794	12.980
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52612	11	1.272	14.388	52684	8	25.941	19.088	52756	9	10.428	24.024	52821	14	4.574	3.875	52893	37	11.030	13.729
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52615	30	3.582	14.366	52687	14	3.620	20.852	52759	37	13.404	24.696	52824	22	19.815	3.084	52896	25	25.335	13.150
52616	40	5.520	14.935	52688	11	4.244	20.432	52760	20	14.439	24.918	52825	40	25.461	3.026	52897	50	5.738	14.682
52617	12	7.808	14.379	52689	18	4.687	20.274	52761	48	20.460	24.199	52826	21	0.474	4.560	52898	20	7.148	14.302
52618	24	9.068	14.515	52690	35	5.006	20.662	52762	33	21.851	24.336	52827	13	0.718	4.995	52899	32	14.514	14.086
52619	33	9.093	14.544	52691	24	5.147	20.024	52763	32	23.263	24.784	52828	12	1.300	4.839	52900	28	16.574	14.142
52620	21	11.012	14.412	52692	8	5.838	20.822	52764	21	23.617	24.177	52829	24	1.926	4.036	52901	12	20.550	14.720
52621	9	12.636	14.354	52693	14	6.189	20.442	52765	12	23.752	24.662	62830	24	3.133	4.216	52902	22	23.540	14.088
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52623	21	21.876	14.406	52695	8	14.042	20.093	52767	18	1.892	25.774	52832	12	10.006	4.132	52904	12	0.548	16.792
52624	9	22.300	14.338	52696	9	16.124	20.802	52768	26	2.157	25.483	52833	32	10.495	4.280	52905	20	5.801	16.917
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52626	33	5.663	15.558	52698	23	22.868	20.824	52770	8	3.060	25.052	52835	23	16.848	4.646	52907	35	9.646	16.165
52627	15	6.428	15.831	52699	12	25.651	20.343	52771	32	8.603	25.365	52836	11	4.056	5.388	52908	10	16.857	16.427
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52629	45	8.404	15.783	52701	11	1.250	21.170	52773	9	8.976	25.916	52838	28	5.155	5.039	52910	12	21.080	16.726
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52631	14	11.167	15.276	52703	35	1.863	21.724	52775	8	11.942	25.376	52840	12	16.854	5.052	52912	45	1.775	17.121
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52633	38	12.067	15.692	52705	9	4.240	21.228	52777	15	17.733	25.852	52842	21	21.465	5.815	52914	13	8.993	17.308
52634	28	14.115	15.543	52706	13	6.402	21.522	52778	8	20.035	25.810	52843	16	23.094	5.694	52915	17	10.665	18.458
52635	8	15.840	15.280	52707	13	10.000	21.672	52779	13	21.003	25.933	52844	11	23.493	5.724	52916	14	19.972	18.132
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52637	14	19.278	15.441	52709	8	19.128	21.057	52781	8	22.364	25.466	52846	12	0.604	6.350	52918	12	23.536	18.720
52638	8	23.427	15.514	52710	45	19.407	21.341	52782	10	24.347	25.630	52847	13	3.417	6.364	52919	10	24.175	18.626
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52641	10	0.975	16.330	52713	20	2.122	22.832					52850	18	12.910	6.172	52922	36	20.162	19.914
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52645	19	4.161	16.650	52717	16	4.052	22.292					52854	47	23.159	6.934	52926	11	6.198	20.190
52646	10	7.966	16.614	52718	12	9.276	22.166					52855	45	2.485	7.866	52927	20	11.284	20.734
52647	20	11.823	16.608	52719	24	11.636	22.806					52856	20	6.830	7.726	52928	12	0.996	21.306
52648	25	13.620	16.018	52720	12	12.127	22.435					52857	19	8.627	7.160	52929	19	4.882	21.205
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52650	22	13.753	16.678	52722	15	17.487	22.235					52859	13	18.856	7.442	52931	18	14.401	21.692
52651	8	18.472	16.098	52723	22	19.837	22.545					52860	17	20.287	7.134	52932	13	16.666	21.276
52652	22	20.612	16.438	52724	25	21.176	22.644					52861	12	21.308	7.638	52933	50	18.380	21.666
52653	21	21.626	16.018	52725	20	21.266	22.143					52862	13	23.102	7.359	52934	16	4.332	22.492
52654	17	21.650	16.736	52726	8	22.938	22.413					52863	11	23.140	7.172	52935	10	5.271	22.686
52655	20	22.505	16.384	52727	12	25.328	22.572					52864	31	25.810	7.171	52936	16	18.260	22.214
52656	48	23.174	16.851	52728	45	1.367	23.771					52865	11	2.029	8.514	52937	39	24.278	22.200
52657	43	23.707	16.729	52729	13	1.634	23.818					52866	40	3.016	8.466	52938	14	2.660	23.595
52658	18	25.914	16.964	52730	19	1.656	23.817					52867	28	3.335	8.847	52939	21	4.638	23.682
52659	28	6.334	17.042	52731	12	5.927	23.265					52868	11	7.704	8.196	52940	15	7.355	23.770
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52661	24	10.257	17.509	52733	24	8.272	23.542					52870	60	13.784	8.746	52942	28	10.385	23.956
52662	21	11.969	17.548	52734	21	12.003	23.674					52871	15	15.214	8.132	52943	64	12.133	23.338
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52664																			

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53703	21	18-005	5-744	53775	19	4-866	12-579	53847	24	13-871	19-136	53919	48	2-858	25-686	53985	11	2-048	3-008
53704	30	21-251	5-290	53776*	36	8-337	12-152	53848	13	17-944	19-737	53920	16	4-873	25-752	53986	15	2-844	3-151
53705	20	21-930	5-664	53777	21	12-117	12-508	53849	13	21-173	19-328	53921	26	4-874	25-522	53987	20	4-108	3-214
53706	27	23-612	5-928	53778	19	19-890	12-729	53850	9	25-436	19-300	53922	19	7-575	25-086	53988	26	5-405	3-710
53707	21	1-328	6-654	53779	18	22-243	12-706	53851	10	25-737	19-366	53923	29	10-552	25-847	53989*	56	5-405	3-670
53708*	21	5-884	6-344	53780*	31	23-041	12-718	53852	23	2-435	20-212	53924	20	10-555	25-774	53990	11	6-660	3-364
53709*	30	9-824	6-376	53781	13	24-016	12-426	53853	10	5-034	20-117	53925	11	10-807	25-855	53991*	30	9-844	3-627
53710	20	11-530	6-122	53782	48	25-918	12-922	53854	23	9-446	20-138	53926	20	13-415	25-562	53992	20	10-835	3-200
53711	22	17-946	6-340	53783	19	2-614	13-516	53855	13	13-564	20-700	53927	20	16-032	25-082	53993	12	12-636	3-888
53712	9	18-652	6-836	53784*	37	5-250	13-474	53856	17	15-117	20-453	53928	8	16-272	25-286	53994	14	15-150	3-621
53713*	35	21-688	6-988	53785	15	5-946	13-570	53857	9	15-444	20-922	53929	10	17-910	25-719	53995	10	17-547	3-319
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53716*	29	4-027	7-374	53788*	34	12-196	13-368	53860	20	20-905	20-718	53932	17	23-706	25-880	53998	12	25-922	3-041
53717*	33	4-430	7-170	53789	21	14-130	13-757	53861	8	23-510	20-366					53999	38	0-027	4-880
53718	9	4-845	7-199	53790	11	14-780	13-732	53862	12	0-356	21-077					54000*	33	4-880	4-332
53719	11	11-350	7-545	53791	24	20-188	13-674	53863	24	4-880	21-721					54001	12	6-338	4-608
53720*	41	12-918	7-294	53792	19	20-492	13-307	53864*	35	4-945	21-702					54002*	28	12-904	4-586
53721	12	16-244	7-173	53793	9	22-503	13-102	53865	14	8-591	21-198					54003	13	16-582	4-506
53722	20	18-997	7-641	53794	34	23-165	13-207	53866	11	9-428	21-880					54004	12	17-745	4-448
53723*	33	22-493	7-836	53795	13	24-791	13-597	53867	20	11-388	21-663					54005	13	18-752	4-464
53724	18	22-584	7-292	53796	11	24-898	13-034	53868	18	15-367	21-586					54006	10	21-287	4-964
53725	23	23-096	7-167	53797*	33	3-290	14-173	53869*	28	15-833	21-776					54007*	36	22-056	4-439
53726	17	0-426	8-574	53798	12	7-461	14-501	53870	11	19-274	21-961					54008	11	25-164	4-492
53727	20	1-861	8-068	53799	11	14-604	14-898	53871*	31	20-410	21-210					54009	15	25-805	4-620
53728*	37	2-594	8-357	53800*	35	15-386	14-852	53872	17	20-666	21-868					54010	26	0-381	5-551
53729	20	3-604	8-927	53801	11	15-462	14-181	53873	11	24-730	21-418					54011	20	1-064	5-921
53730	10	3-620	8-708	53802	19	16-052	14-506	53874	12	2-398	22-998					54012	12	8-614	5-994
53731	14	6-290	8-682	53803	15	19-670	14-794	53875	32	3-460	22-367					54013*	33	14-685	5-385
53732	9	7-605	8-318	53804	13	20-102	14-366	53876	23	3-681	22-048					54014	13	16-026	5-416
53733	11	8-754	8-494	53805	32	21-427	14-474	53877	11	7-286	22-816					54015	10	17-168	5-475
53734	8	9-930	8-439	53806	22	21-488	14-781	53878	22	10-440	22-812					54016	22	17-684	5-188
53735	19	11-423	8-362	53807	26	25-390	14-163	53879	20	10-924	22-978					54017	12	22-580	5-972
53736	8	11-544	8-736	53808*	33	5-266	15-762	53880	11	17-394	22-631					54018	10	22-868	5-793
53737	9	21-734	8-816	53809	16	8-170	15-642	53881	9	18-090	22-082					54019	12	24-283	5-976
53738	9	24-520	8-128	53810	9	8-809	15-058	53882	18	19-027	22-790					54020	23	2-745	6-175
53739	14	3-754	9-763	53811*	40	10-319	15-928	53883*	37	19-680	22-479					54021*	34	6-742	6-524
53740	19	3-995	9-054	53812	8	11-451	15-652	53884	15	21-410	22-824					54022	13	12-870	6-664
53741	15	11-480	9-057	53813*	23	14-456	15-120	53885	22	22-260	22-792					54023	12	13-137	6-954
53742*	40	12-358	9-934	53814	20	23-242	15-526	53886*	33	23-190	22-482					54024	22	15-302	6-032
53743	10	14-100	9-900	53815	40	25-036	15-054	53887	10	24-036	22-692					54025	21	17-540	6-935
53744	9	17-100	9-854	53816	27	25-426	15-600	53888	10	25-461	22-388								

54033	15	1.728	7.544	54105*	23	11.562	13.976	54177	18	0.144	20.983	54306	25	3.241	6.235
54034	24	2.239	7.416	54106*	40	12.321	13.735	54178	11	5.607	20.395	54307*	31	8.110	6.617
54035	13	2.884	7.890	54107	21	14.134	13.990	54179	16	8.548	20.474	54308*	28	9.660	6.484
54036	25	5.370	7.490	54108	11	15.635	13.394	54180	22	10.587	20.502	54309	11	13.185	6.768
54037	12	6.310	7.028	54109*	135	18.410	13.165	54181	10	16.088	20.250	54310	11	16.190	6.395
54038*	43	7.182	7.284	54110	13	23.676	13.605	54182	27	18.628	20.872	54311*	37	16.337	6.020
54039	13	7.756	7.860	54111	30	0.622	14.734	54183	13	20.470	20.130	54312	11	16.392	6.354
54040	11	12.680	7.178	54112	9	2.305	14.466	54184	11	20.505	20.812	54313	9	17.848	6.788
54041	10	15.640	7.976	54113*	24	4.582	14.394	54185	13	24.793	20.396	54314	18	18.762	6.208
54042	24	16.924	7.711	54114*	32	6.512	14.312	54186	31	25.605	20.817	54315	11	21.582	6.717
54043	16	19.706	7.335	54115	18	9.426	14.382	54187	14	25.968	20.551	54316	15	22.478	6.393
54044	12	20.016	7.118	54116	15	10.053	14.164	54188	10	5.239	21.620	54317	12	23.296	6.288
54045	13	20.060	7.083	54117	16	19.708	14.170	54189	20	7.360	21.871	54318*	36	23.692	6.940
54046	10	24.172	7.056	54118	21	21.238	14.490	54190	10	8.215	21.116	54319	10	24.768	6.330
54047*	34	1.640	8.088	54119	22	21.598	14.878	54191*	33	10.600	21.925	54320	12	25.670	6.360
54048	10	3.670	8.366	54120	20	0.685	15.040	54192	16	11.646	21.969	54321*	35	7.351	7.376
54049	14	10.820	8.868	54121	19	2.445	15.774	54193	14	14.250	21.844	54322	14	10.985	7.975
54050	12	13.452	8.540	54122*	40	4.232	15.288	54194	15	22.148	21.956	54323	13	15.514	7.640
54051	14	16.054	8.642	54123	26	4.628	15.830	54195*	35	2.440	22.730	54324*	33	18.600	7.319
54052	20	16.158	8.510	54124*	80	7.502	15.102	54196	12	3.289	22.931	54325*	32	20.278	7.948
54053	12	18.070	8.108	54125	16	7.696	15.838	54197	12	4.714	22.618	54326	27	0.430	8.086
54054	23	23.021	8.185	54126*	52	13.776	15.332	54198	17	5.145	22.394	54327	15	2.460	8.783
54055	16	25.035	8.919	54127	25	13.882	15.272	54199	12	11.751	22.055	54328	10	8.717	8.530
54056	12	0.886	9.072	54128	10	16.926	15.486	54200	10	12.134	22.602	54329	10	12.526	8.588
54057	10	2.180	9.697	54129*	41	19.892	15.117	54201*	31	15.830	22.870	54330	28	13.116	8.566
54058	10	14.586	9.065	54130	12	19.972	15.514	54202	23	15.834	22.350	54331	29	14.290	8.798
54059	10	23.380	9.778	54131	9	20.945	15.626	54203	19	16.306	22.562	54332	28	16.214	8.465
54060	11	25.305	9.917	54132	24	22.028	15.675	54204	10	17.813	22.216	54333	12	17.060	8.890
54061	10	0.045	10.016	54133	12	23.729	15.252	54205*	25	18.066	22.285	54334	21	17.900	8.052
54062	12	0.382	10.774	54134	20	25.772	15.625	54206	15	19.370	22.376	54335	16	19.106	8.222
54063	28	2.095	10.119	54135	11	25.980	15.946	54207	13	24.050	22.811	54336	16	24.577	8.060
54064	18	4.138	10.335	54136	11	2.488	16.965	54208	12	0.666	23.084	54337	18	24.594	8.586
54065	17	4.848	10.072	54137	10	5.834	16.934	54209	26	0.820	23.645	54338	26	0.560	9.991
54066*	51	13.731	10.504	54138	10	6.045	16.134	54210	16	1.212	23.720	54339	10	6.665	9.828
54067	14	14.081	10.822	54139	25	12.931	16.116	54211	21	1.514	23.046	54340	16	13.015	9.542
54068	15	14.100	10.794	54140	21	21.479	16.714	54212	17	3.095	23.434	54341*	32	14.340	9.485
54069	14	16.325	10.610	54141	10	23.858	16.848	54213	12	3.585	23.924	54342	15	16.272	9.498
54070	24	22.602	10.854	54142*	40	5.453	17.876	54214	14	3.730	23.345	54343*	36	18.110	9.883
54071	11	22.865	10.810	54143	10	7.725	17.154	54215	14	5.185	23.642	54344	16	18.734	9.704
54072	24	23.112	10.093	54144*	75	9.148	17.502	54216	24	5.249	23.176	54345	13	24.493	9.901
54073	34	25.503	10.945	54145	12	12.962	17.490	54217*	45	10.354	23.858	54346	30	24.980	9.743
54074	13	0.130	11.261	54146	12	13.386	17.695	54218	12	21.240	23.140	54347	22	0.064	10.764
54075	24	2.758	11.719	54147	14	18.110	17.984	54219*	38	23.316	23.782	54348*	37	2.964	10.796
54076	13	5.164	11.784	54148	22	18.370	17.255	54220*	25	24.412	23.976	54349*	115	8.600	10.056
54077*	42	6.994	11.784	54149	11	19.250	17.988	54221	24	24.880	23.146	54350	14	12.776	10.259
54078*	26	7.188	11.518	54150	19	20.069	17.414	54222	10	0.804	24.264	54351	11	14.107	10.714
54079	17	8.232	11.058	54151*	40	20.076	17.426	54223	13	1.232	24.648	54352	24	17.820	10.410
54080	13	11.875	11.254	54152	19	22.544	17.457	54224	11	3.670	24.646	54353*	60	19.190	10.950
54081	13	14.350	11.177	54153	19	23.682	17.636	54225	20	8.946	24.120	54354	14	22.198	10.135
54082*	40	15.570	11.755	54154	16	24.110	17.022	54226	27	9.250	24.658	54355	24	23.022	10.950
54083	11	25.648	11.700	54155	12	3.765	18.655	54227	12	9.664	24.444	54356	10	25.638	10.224
54084	10	0.932	12.572	54156	16	3.774	18.580	54228	10	11.620	24.799	54357	12	25.870	10.142
54085	17	1.425	12.962	54157	20	6.974	18.966	54229	16	13.490	24.910	54358	9	4.940	11.389
54086*	31	2.224	12.968	54158*	40	7.647	18.324	54230	12	17.984	24.290	54359	15	5.732	11.170
54087	14	3.196	12.667	54159	12	8.328	18.418	54231	18	19.934	24.138	54360	11	9.632	11.190
54088*	38	3.280	12.047	54160	18	10.430	18.658	54232	12	20.158	24.354	54361*	27	12.052	11.506
54089	24	5.500	12.135	54161	13	12.852	18.640	54233	12	23.440	24.964	54362*	43	13.310	11.766
54090	14	10.232	12.504	54162	17	13.585	18.404	54234	10	24.076	24.840	54363	16	16.168	11.958
54091	24	18.463	12.664	54163	14	13.592	18.444	54235	15	6.767	25.480	54364	25	21.663	11.404
54092	12	21.068	12.852	54164	15	14.635	18.092	54236	26	12.384	25.093	54365	24	3.394	12.430
54093	16	21.602	12.580	54165	21	15.608	18.125	54237	10	14.275	25.530	54366	13	4.967	12.196
54094	10	24.629	12.120	54166*	27	21.734	18.735	54238	24	16.245	25.486	54367	18	7.240	12.086
54095	21	25.900	12.586	54167	10	22.084	18.850	54239	12	17.386	25.128	54368	15	16.166	12.326
54096	12	1.690	13.355	54168	12	22.180	18.220	54240	13	19.740	25.086	54369	11	17.462	12.700
54097	38	2.350	13.455	54169	12	25.906	18.222	54241	12	19.802	25.764	54370	16	19.700	12.408
54098	12	3.982	13.832	54170	15	0.402	19.592	54242	30	23.362	25.664	54371	18	24.618	12.516
54099	12	4.080	13.270	54171*	38	2.252	19.246					54372	29	24.983	12.664
54100*	60	5.098	13.150	54172	10	4.667	19.530					54373	13	1.190	13.494
54101	24	5.742	13.500	54173	12	4.968	19.592					54374	20	3.698	13.701
54102	30	7.164	13.945	54174*	45	8.733	19.506					54375	20	11.020	13.120
54103	10	9.664	13.569	54175*	27	9.639	19.574					54376	15	11.107	13.960
54104	10	11.314	13.035	54176	21	22.386	19.326					54377	11	16.490	13.116

R.A. 12^h 12^m

Plate 1954; 1922 Mar. 24.

Provisional Constants.

A B C
 -01760 +00568 -4361

D E F
 -00633 -01784 -2743

Mag.=16.3-0.96√d

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54251	11	2.376	0.466
54252	13	4.537	0.826
54253	10	8.101	0.178
54254	45	9.013	0.008
54255	15	16.282	0.310
54256	10	19.663	0.086
54257	15	21.252	0.704
54258	13	3.968	1.387
54259	12	10.040	1.706
54260	35	21.084	1.964
54261	18	22.655	1.914
54262	33	24.485	1.025
54263	11	2.390	2.066
54264	10	3.236	2.887
54265	19	7.224	2.768
54266	27	7.686	2.691
54267	14	10.064	2.848
54268	22	15.716	2.789
54269	24	21.024	2.014
54270	28	21.096	2.796
54271	10	24.118	2.800
54272	19	24.860	2.700
54273	46	0.060	3.851
54274	18	5.932	3.406
54275	24	8.520	3.600
54276*	27	8.815	3.589
54277*	36	9.717	3.899
54278*	29	9.994	3.710
54279	27	20.444	3.656
54280	28	21.637	3.286
54281	29	22.210	3.290
54282	23	22.776	3.606
54283	13	25.556	3.715
54284	11	2.503	4.355
54285	17	3.146	4.467
54286*	28	6.698	4.345
54287*	29	8.200	4.755
54288	24	12.997	4.755
54289*	35	17.402	4.533
54290	26	17.728	4.680
54291	11	18.046	4.966
54292	20	20.260	4.295
54293	9	23.434	4.217
54294	13	24.016	4.010
54295	60	24.630	4.544
54296	28	3.570	5.444
54297	10	3.884	5.666
54298	13	7.624	5.855
54299*	33	15.600	5.255
54300	22	18.998	5.000
54301	11	20.115	5.633
54302	9	21.388	5.499
54303	16	22.401	5.800
54304	14	1.000	6.500
54305	12	1.560	6.933

54378	16	18.930	13.600	54450	28	21.315	20.760	54606	39	24.864	6.744	54678*	42	2.156	18.429
54379	13	19.806	13.524	54451	10	21.402	20.826	54607*	40	2.590	7.498	54679	15	7.298	18.590
54380	10	20.164	13.214	54452	41	24.197	20.244	54608*	39	5.126	7.936	54680	15	7.694	18.894
54381	10	20.930	13.432	54453	45	24.202	20.256	54609	39	6.184	7.472	54681	37	8.865	18.414
54382*	32	21.359	13.698	54454	27	25.970	20.302	54610	28	6.227	7.048	54682	34	13.055	18.014
54383	27	22.210	13.490	54455	17	5.837	21.115	54611	26	19.658	7.849	54683	38	5.564	19.206
54384	23	22.584	13.810	54456	24	10.440	21.056	54612	37	24.399	7.568	54684*	44	6.534	19.158
54385*	45	23.242	13.759	54457	14	10.521	21.846	54613	22	3.500	8.599	54685	26	7.680	19.109
54386	11	4.282	14.050	54458*	26	12.088	21.363	54614	36	8.372	8.222	54686	37	25.015	19.760
54387	25	13.324	14.815	54459	20	13.236	21.068	54615	21	12.578	8.559	54687	39	0.144	20.564
54388	15	14.938	14.514	54460	20	23.750	21.924	54616	37	14.746	8.924	54688*	53	3.365	20.790
54389*	34	16.092	14.251	54461	31	25.726	21.800	54617	38	20.351	8.433	54689	41	3.374	20.802
54390*	44	17.630	14.319	54462	16	1.742	22.690	54618*	64	20.844	8.886	54690	39	5.142	20.808
54391	31	19.223	14.434	54463	10	4.022	22.950	54619*	42	20.974	8.452	54691*	86	5.782	20.934
54392*	30	20.930	14.125	54464	13	9.262	22.803	54620	40	24.906	8.416	54692*	48	7.416	20.756
54393	41	22.404	14.756	54465	17	9.775	22.820	54621	14	25.599	8.454	54693	38	7.486	20.664
54394	9	24.286	14.084	54466	14	12.122	22.825	54622	32	3.526	9.124	54694	28	8.320	20.134
54395	32	25.760	14.564	54467	9	13.670	22.480	54623*	60	6.334	9.350	54695*	60	10.284	20.956
54396	11	1.275	15.139	54468	12	15.260	22.209	54624*	40	6.728	9.318	54696	24	13.666	20.834
54397	23	3.324	15.472	54469	9	16.070	22.090	54625*	35	6.737	9.296	54697	21	19.217	20.538
54398	20	4.630	15.680	54470	18	16.584	22.393	54626*	38	13.296	9.056	54698	35	21.334	20.254
54399	10	4.740	15.511	54471*	30	17.124	22.174	54627	38	23.561	9.680	54699	26	22.200	20.300
54400*	48	7.758	15.162	54472	20	17.960	22.068	54628	14	24.702	9.480	54700	25	22.878	20.450
54401*	46	8.846	15.844	54473	24	19.130	22.635	54629	18	1.165	10.718	54701	39	24.399	20.130
54402	13	9.735	15.978	54474	22	21.000	22.840	54630	18	3.452	10.442	54702	29	24.716	20.291
54403	13	13.961	15.170	54475	29	21.716	22.444	54631*	39	3.935	10.274	54703	38	0.495	21.364
54404	10	19.066	15.255	54476*	46	1.022	23.674	54632	30	4.836	10.654	54704	39	6.976	21.944
54405	20	20.900	15.875	54477*	31	2.126	23.847	54633	32	12.112	10.686	54705	12	7.296	21.163
54406	23	24.940	15.708	54478	28	2.577	23.008	54634	33	15.814	10.706	54706	34	12.416	21.986
54407	16	1.690	16.900	54479	18	11.080	23.855	54635*	38	17.926	10.986	54707*	72	16.222	21.206
54408	10	4.190	16.260	54480	19	11.141	23.394	54636	34	20.881	10.374	54708	36	24.646	21.498
54409	22	4.290	16.398	54481	19	13.040	23.395	54637	37	2.004	11.518	54709	26	2.956	22.476
54410	26	18.313	16.068	54482	18	13.936	23.074	54638	39	17.672	11.946	54710	39	4.926	22.314
54411	24	21.562	16.871	54483	28	15.488	23.525	54639	13	17.847	11.912	54711	39	7.194	22.694
54412	22	0.132	17.366	54484	16	15.898	23.734	54640*	46	20.660	11.024	54712*	52	13.460	22.656
54413	19	1.275	17.522	54485	17	16.408	23.950	54641	38	0.652	12.000	54713	13	13.652	22.448
54414	21	5.722	17.856	54486	13	19.965	23.180	54642*	40	11.475	12.038	54714	24	14.460	22.056
54415	18	12.714	17.646	54487	19	24.974	23.980	54643	23	13.105	12.254	54715	37	14.994	22.371
54416*	30	13.466	17.875	54488	27	25.000	23.125	54644	42	13.760	12.135	54716	32	25.646	22.106
54417	27	13.940	17.608	54489	14	1.174	24.855	54645	22	20.243	12.202	54717	34	0.224	23.450
54418	15	14.239	17.560	54490	17	5.658	24.406	54646	28	3.630	13.054	54718	39	0.930	23.039
54419*	110	14.450	17.815	54491	13	7.750	24.206	54647	35	3.996	13.192	54719	38	4.726	23.642
54420*	46	18.758	17.703	54492	16	8.907	24.826	54648	38	10.166	13.115	54720	28	7.054	23.550
54421	17	20.630	17.606	54493*	32	8.948	24.354	54649	15	20.320	13.253	54721	21	7.255	23.696
54422	27	22.680	17.260	54494	18	11.544	24.191	54650	39	0.296	14.304	54722	38	12.598	23.448
54423*	40	23.034	17.860	54495*	32	13.470	24.024	54651	39	1.244	14.076	54723	30	14.764	23.124
54424	11	23.045	17.806	54496	25	13.886	24.315	54652	37	1.624	14.386	54724*	38	18.156	23.455
54425	15	25.850	17.453	54497	12	18.538	24.280	54653*	75	2.276	14.324	54725	22	20.096	23.870
54426	12	3.510	18.064	54498	15	19.764	24.886	54654	34	8.415	14.980	54726	31	25.960	23.320
54427*	38	4.661	18.231	54499	10	21.594	24.628	54655*	60	11.680	14.306	54727	30	4.222	24.506
54428	15	4.790	18.948	54500	13	24.235	24.316	54656	13	13.664	14.522	54728	37	6.790	24.764
54429	27	5.188	18.534	54501	29	1.109	25.555	54657	30	22.114	14.365	54729	35	8.376	24.346
54430	15	9.855	18.316	54502	23	4.583	25.988	54658	52	1.462	15.340	54730*	40	10.544	24.359
54431	9	13.186	18.175	54503	12	7.055	25.090	54659	42	4.812	15.076	54731	24	13.754	24.452
54432	9	17.340	18.240	54504	14	9.842	25.382	54660	11	10.036	15.628	54732	38	14.191	24.665
54433	20	18.240	18.364	54505	13	17.073	25.744	54661	17	13.748	15.686	54733	25	14.710	24.746
54434	14	19.300	18.457	54506	16	18.356	25.126	54662	42	14.826	15.295	54734	28	16.050	24.762
54435	11	6.934	19.177	54507	42	21.374	25.214	54663	20	22.493	15.740	54735	24	19.484	24.814
54436*	48	9.568	19.016	54508	50	25.587	25.870	54664	40	25.745	15.634	54736	25	21.215	24.782
54437	11	11.996	19.236					54665	37	4.018	16.236	54737	46	0.646	25.816
54438*	46	16.352	19.197					54666*	39	8.754	16.065	54738	13	6.064	25.237
54439	14	16.498	19.564					54667*	59	12.126	16.114	54739	17	23.050	25.074
54440	20	20.487	19.374					54668	36	15.732	16.866				
54441	28	20.978	19.954					54669	28	19.112	16.664				
54442	13	2.441	20.262					54670	21	21.188	16.050				
54443*	40	3.258	20.665					54671	34	0.665	17.472				
54444	12	3.616	20.394					54672	38	1.789	17.836				
54445	14	3.722	20.325					54673	18	4.960	17.965				
54446	24	5.256	20.398					54674	17	8.506	17.595				
54447	15	8.294	20.640					54675	11	15.300	17.370				
54448	14	14.725	20.410					54676	21	23.530	17.239				
54449	14	20.009	20.330					54677	34	24.212	17.255				

R.A. 12 ^h 28 ^m				R.A. 12 ^h 36 ^m			
Plate 1946; 1922 Mar. 22.				Plate 1956; 1922 Mar. 24.			
Provisional Constants.				Provisional Constants.			
A B C -01738 +00891 +2721				A B C -01798 +00923 +2233			
D E F -00880 -01769 -0714				D E F -00963 -01752 -0851			
Mag. = 16.1 - 0.96 \sqrt{d}				Mag. = 15.6 - 0.96 \sqrt{d}			
No.	d	x	y	No.	d	x	y
54751	14	0.710	0.356	55022	10	18.371	25.886
54752	8	2.350	0.539	55023	12	19.074	25.228
54753	36	3.455	0.034	55024	21	20.470	25.083
54754	20	3.988	0.222	55025	33	20.566	25.804
54755	12	6.460	0.581	55026	14	23.228	25.738
54756	8	8.162	0.021				
54757	24	12.837	0.922				
54758	24	14.066	0.422				
54759	13	14.989	0.252				
54760	30	20.001	0.740				
54761	20	1.387	1.286				
54762	20	2.292	1.373				
54763	32	3.318	1.268				
54764	14	4.068	1.267				
54765	10	7.857	1.668				
54766	15	10.873	1.587				
54767	21	13.424	1.543				
54768	9	16.864	1.520				
54769	14	19.820	1.478				
54770	9	22.118	1.948				
54771	26	22.940	1.390				
54772	22	2.617	2.090				
54773*	32	10.054	2.670				
54774*	41	12.743	2.514				
54775	14	13.530	2.829				
54776	9	13.724	2.117				
54777	19	14.788	2.829				
54778	8	15.199	2.817				
54779	12	20.282	2.396				
54780	24	25.094	2.977				
54781*	40	1.816	3.004				
54782	12	8.093	3.578				
54783	11	10.524	3.068				
54784	8	13.868	3.719				
54785	12	13.938	3.784				
54786	16	15.092	3.292				
54787	13	19.650	3.826				
54788	8	20.764	3.458				
54789	11	22.964	3.848				
54790	11	25.915	3.901				
54791	25	5.359	4.543				
54792	9	5.857	4.188				
54793	8	10.057	4.308				
54794	22	11.170	4.683				
54795	24	13.518	4.220				
54796	14	16.831	4.115				
54797	9	17.459	4.338				
54798	13	18.036	4.950				
54799*	32	22.206	4.367				
54800	44	0.694	5.318				
54801	21	3.737	5.684				
54802	8	5.206	5.610				
54803	20	10.528	5.256				
54804*	36	15.964	5.710				
54805*	26	18.380	5.783				
54806	18	18.583	5.630	54878	12	19.871	11.414
54807	19	20.401	5.367	54879*	30	22.171	11.912
54808*	40	21.359	5.680	54880	24	23.285	11.321
54809	9	23.831	5.590	54881	22	25.306	11.960
54810	9	0.376	6.268	54882	16	25.646	11.372
54811	25	3.120	6.778	54883*	36	5.584	12.616
54812	9	3.510	6.815	54884	20	5.878	12.296
54813	22	4.912	6.690	54885*	31	12.657	12.686
54814	16	6.808	6.052	54886*	32	13.724	12.976
54815	22	7.512	6.706	54887	18	14.084	12.176
54816*	30	7.840	6.132	54888*	64	14.666	12.123
54817	11	8.708	6.972	54889*	66	15.410	12.510
54818	8	13.075	6.347	54890	11	18.442	12.214
54819*	37	13.707	6.111	54891	20	6.405	13.244
54820	16	13.904	6.556	54892	14	9.634	13.066
54821	17	14.799	6.917	54893	17	11.982	13.560
54822	8	16.366	6.808	54894	10	22.082	13.202
54823	16	16.953	6.587	54895*	36	24.214	13.988
54824	19	17.594	6.345	54896	17	25.444	13.740
54825	14	18.552	6.406	54897	21	0.445	14.423
54826	11	20.458	6.573	54898*	83	5.186	14.373
54827	10	1.518	7.474	54899	20	18.000	14.076
54828	20	2.663	7.608	54900	9	20.804	14.854
54829	10	3.788	7.918	54901	13	0.838	15.797
54830	14	6.047	7.787	54902*	29	4.086	15.657
54831	11	7.837	7.113	54903	22	4.374	15.112
54832*	24	10.057	7.083	54904	8	7.744	15.738
54833	14	11.578	7.501	54905	9	8.580	15.326
54834*	37	14.837	7.186	54906	10	8.986	15.046
54835*	40	18.046	7.886	54907	8	12.578	15.312
54836	8	19.060	7.970	54908	11	19.665	15.692
54837	9	19.642	7.946	54909*	38	20.364	15.900
54838	11	21.372	7.633	54910	16	20.966	15.064
54839	11	21.424	7.478	54911	10	21.272	15.726
54840	10	22.223	7.866	54912	20	22.153	15.714
54841	14	23.959	7.626	54913	20	25.351	15.503
54842*	28	3.180	8.450	54914	14	5.960	16.922
54843	9	3.375	8.533	54915*	22	6.804	16.577
54844	13	3.870	8.484	54916	26	8.648	16.130
54845	22	5.456	8.874	54917*	38	11.262	16.571
54846	18	6.890	8.620	54918	12	13.750	16.708
54847	17	9.373	8.856	54919	19	18.110	16.795
54848	14	9.384	8.840	54920	14	22.110	16.373
54849*	31	15.250	8.452	54921	11	25.882	16.285
54850	25	15.298	8.440	54922	13	25.162	16.740
54851	10	15.513	8.570	54923	18	1.888	17.286
54852	16	16.997	8.268	54924	21	2.572	17.296
54853	21	1.847	9.726	54925	14	5.695	17.724
54854	14	2.234	9.438	54926	9	9.783	17.959
54855	14	2.986	9.517	54927	23	10.103	17.227
54856	11	4.773	9.248	54928	8	12.728	17.920
54857*	44	7.330	9.638	54929	10	12.991	17.777
54858	9	8.453	9.917	54930	18	14.888	17.666
54859	18	10.905	9.244	54931	19	18.090	17.016
54860	11	18.433	9.947	54932	10	19.348	17.460
54861	24	18.915	9.726	54933	25	19.762	17.142
54862	12	21.623	9.096	54934	24	21.337	17.627
54863	9	25.821	9.776	54935	8	21.913	17.112
54864	19	5.376	10.384	54936*	36	24.540	17.536
54865	9	5.770	10.976	54937	40	24.973	17.706
54866*	29	6.440	10.160	54938	9	0.372	18.483
54867	13	7.774	10.861	54939	13	10.300	18.815
54868	13	12.707	10.718	54940	20	12.936	18.147
54869	18	13.820	10.137	54941	8	13.616	18.920
54870	20	14.985	10.223	54942	10	14.534	18.208
54871*	185	16.224	10.730	54943	30	16.050	18.874
54872	16	19.275	10.549	54944	13	16.864	18.670
54873	12	8.112	11.784	54945	10	16.950	18.664
54874	8	11.186	11.810	54946	21	17.044	18.606
54875	12	13.180	11.774	54947	15	20.463	18.932
54876*	47	17.348	11.666	54948	26	23.184	18.156
54877	14	18.506	11.959	54949	20	3.398	19.794
54950	9	13.170	19.924	54951	20	13.206	19.784
54951	20	13.206	19.784	54952	24	13.227	19.786
54952	24	13.227	19.786	54953	12	14.939	19.982
54953	12	14.939	19.982	54954*	61	16.756	19.478
54954*	61	16.756	19.478	54955	11	22.934	19.389
54955	11	22.934	19.389	54956*	53	23.114	19.591
54956*	53	23.114	19.591	54957	18	0.590	20.358
54957	18	0.590	20.358	54958	12	1.266	20.502
54958	12	1.266	20.502	54959	31	2.784	20.168
54959	31	2.784	20.168	54960	19	3.102	20.325
54960	19	3.102	20.325	54961	11	3.466	20.486
54961	11	3.466	20.486	54962	10	11.197	20.791
54962	10	11.197	20.791	54963*	86	11.522	20.254
54963*	86	11.522	20.254	54964	14	16.690	20.333
54964	14	16.690	20.333	54965	16	19.086	20.278
54965	16	19.086	20.278	54966	10	21.442	20.900
54966	10	21.442	20.900	54967	18	25.482	20.896
54967	18	25.482	20.896	54968	11	25.665	20.568
54968	11	25.665	20.568	54969	10	0.784	21.103
54969	10	0.784	21.103	54970	10	0.812	21.426
54970	10	0.812	21.426	54971	9	2.059	21.898
54971	9	2.059	21.898	54972	20	3.046	21.532
54972	20	3.046	21.532	54973	10	3.331	21.874
54973	10	3.331	21.874	54974	14	5.343	21.890
54974	14	5.343	21.890	54975*	41	10.446	21.904
54975*	41	10.446	21.904	54976	20	12.414	21.150
54976	20	12.414	21.150	54977*	44	15.922	21.238
54977*	44	15.922	21.238	54978*	36	17.386	21.1

55096	19	15.850	8.888	55168	22	18.644	19.284	55256	11	17.954	0.346	55328	26	22.883	8.512	55400	12	7.300	17.392
55097	31	21.079	8.822	55169	26	18.954	19.524	55257	22	21.496	0.788	55329*	44	23.812	8.074	55401	22	15.755	17.360
55098	11	25.489	8.062	55170	11	19.215	19.543	55258	11	24.777	0.028	55330	11	0.300	9.890	55402	25	16.820	17.244
55099	21	12.719	9.346	55171	29	19.578	19.730	55259	17	24.966	0.984	55331	52	0.910	9.250	55403	16	17.676	17.214
55100	21	12.870	9.662	55172*	35	20.916	19.308	55260	11	1.719	1.149	55332	28	1.214	9.587	55404	12	19.324	17.695
55101*	34	15.950	9.587	55173	11	25.358	19.949	55261	17	3.642	1.064	55333	25	1.445	9.940	55405	18	19.667	17.672
55102	20	18.330	9.920	55174	30	4.666	20.168	55262	63	4.180	1.878	55334	14	4.856	9.342	55406	22	20.718	17.460
55103*	42	22.210	9.021	55175*	34	16.878	20.734	55263	24	4.677	1.636	55335	12	5.654	9.272	55407	36	1.345	18.662
55104	31	22.509	9.365	55176	10	22.310	20.226	55264	20	9.165	1.670	55336	13	16.361	9.606	55408	17	10.272	18.474
55105	29	22.734	9.720	55177	16	3.840	21.050	55265	12	11.524	1.504	55337	31	20.670	9.956	55409	15	10.550	18.671
55106*	33	7.430	10.416	55178	29	6.810	21.942	55266	24	11.598	1.929	55338	10	0.173	10.105	55410	12	24.332	18.830
55107	32	8.955	10.422	55179	24	8.051	21.831	55267	12	18.185	1.108	55339	14	5.826	10.279	55411	13	25.060	18.028
55108	14	9.750	10.246	55180	33	9.682	21.346	55268*	40	6.070	2.750	55340	11	9.310	10.059	55412	20	5.130	19.228
55109	30	11.088	10.550	55181	23	11.880	21.633	55269	39	10.054	2.198	55341	20	10.122	10.053	55413	20	5.949	19.588
55110	29	1.510	11.506	55182	30	11.946	21.784	55270	19	11.644	2.482	55342	17	11.088	10.293	55414	20	14.706	19.976
55111*	40	9.640	11.606	55183	21	18.210	21.962	55271	23	11.886	2.170	55343	10	12.655	10.613	55415	19	19.946	19.792
55112	27	11.710	11.218	55184*	42	20.023	21.220	55272	26	14.468	2.328	55344	13	16.908	10.228	55416	22	20.230	19.238
55113	26	14.342	11.251	55185	11	2.197	22.678	55273	12	14.848	2.692	55345	12	18.170	10.400	55417	16	23.370	19.861
55114	14	14.866	11.710	55186	12	3.534	22.610	55274	19	16.338	2.009	55346	12	20.640	10.174	55418	12	1.160	20.453
55115	34	15.354	11.678	55187*	35	3.593	22.739	55275	13	22.426	2.629	55347	10	22.588	10.350	55419	20	4.203	20.135
55116*	46	18.700	11.580	55188	15	14.251	22.010	55276	22	23.634	2.275	55348	12	24.852	10.650	55420	15	5.999	20.643
55117	31	20.647	11.840	55189*	41	17.356	22.656	55277	13	23.930	2.354	55349	33	0.235	11.592	55421	10	9.557	20.861
55118	34	21.502	11.355	55190	29	22.749	22.814	55278	12	0.704	3.282	55350	14	2.272	11.284	55422	24	12.175	20.816
55119	33	0.404	12.114	55191	13	23.331	22.181	55279	16	3.480	3.584	55351	11	4.066	11.051	55423	12	12.465	20.865
55120	22	3.540	12.117	55192	31	25.584	22.750	55280	29	4.990	3.448	55352	11	5.794	11.108	55424	18	12.560	20.298
55121*	30	6.634	12.798	55193	13	25.620	22.768	55281	20	9.065	3.536	55353	15	15.202	11.719	55425	14	12.603	20.624
55122*	63	9.395	12.714	55194	9	0.833	23.923	55282	25	20.720	3.690	55354*	26	19.640	11.482	55426	10	15.510	20.830
55123*	47	13.292	12.218	55195	21	2.705	23.778	55283	12	23.915	3.175	55355	24	20.286	11.865	55427*	55	16.345	20.470
55124	31	19.730	12.065	55196	10	7.605	23.244	55284	13	3.510	4.780	55356	11	22.139	11.516	55428*	35	16.764	20.875
55125	33	21.659	12.872	55197	25	13.537	23.898	55285	14	5.598	4.635	55357	16	4.965	12.036	55429	22	18.025	20.646
55126	11	3.742	13.895	55198	33	17.840	23.947	55286	16	5.630	4.359	55358*	50	11.680	12.755	55430*	40	22.786	20.831
55127	12	4.646	13.650	55199	23	0.651	24.136	55287	10	7.085	4.164	55359	10	17.762	12.264	55431	18	5.795	21.085
55128	18	5.662	13.146	55200	10	4.666	24.145	55288	13	8.945	4.193	55360	10	20.152	12.227	55432	10	6.276	21.568
55129*	31	7.481	13.560	55201	26	4.933	24.200	55289	11	13.672	4.912	55361	31	0.411	13.106	55433	20	8.099	21.368
55130	33	8.816	13.466	55202	19	5.320	24.016	55290	20	15.495	4.116	55362	18	6.184	13.378	55434	10	13.799	21.778
55131	11	19.176	13.087	55203	11	8.844	24.214	55291	10	17.456	4.651	55363	13	9.136	13.496	55435*	26	14.275	21.625
55132*	37	19.390	13.880	55204	26	17.989	24.115	55292	20	20.091	4.510	55364*	40	12.750	13.114	55436	20	16.812	21.716
55133*	40	19.506	13.174	55205	16	23.390	24.640	55293	25	20.354	4.862	55365	13	14.120	13.754	55437	10	17.570	21.134
55134*	35	19.657	13.852	55206	41	25.056	24.168	55294	22	21.318	4.436	55366*	42	20.454	13.431	55438	15	18.126	21.530
55135*	33	2.474	14.160	55207	15	25.600	24.382	55295*	38	25.019	4.613	55367	20	22.945	13.468	55439	12	21.534	21.666
55136	11	5.372	14.558	55208	11	1.657	25.922	55296	28	25.530	4.670	55368	16	23.508	13.134	55440	14	24.524	21.020
55137*	33	14.722	14.212	55209	12	10.332	25.136	55297	15	0.494	5.015	55369	30	0.586	14.390	55441	18	2.205	22.395
55138*	30	21.819	14.159	55210*	45	16.667	25.101	55298	11	4.172	5.290	55370	12	8.160	14.311	55442	29	4.465	22.934
55139	21	0.440	15.914	55211	13	16.766	25.042	55299*	25	8.638	5.148	55371	19	12.033	14.740	55443*	20	4.502	22.950
55140	20	3.636	15.660	55212	13	23.670	25.751	55300	13	10.696	5.114	55372	10	12.520	14.774	55444	10	5.260	22.598
55141*	81	8.562	15.690					55301	10	10.884	5.724	55373	23	16.664	14.855	55445	19	10.510	22.052
55142	21	11.916	15.522					55302	21	11.792	5.925	55374	22	18.020	14.559	55446	12	11.506	22.978
55143*	45	17.989	15.994					55303*	39	24.355	5.475	55375	22	19.562	14.919	55447*	50	14.568	22.786
55144	16	25.788	15.798					55304	21	4.846	6.870	55376	10	20.500	14.292	55448	12	15.327	22.317
55145	21	7.888	16.360					55305	21	12.245	6.174	55377	20	22.438	14.427	55449	20	16.250	22.572
55146*	51	14.284	16.356					55306	12	13.442	6.946	55378	26	23.068	14.726	55450	20	18.345	22.485
55147	21	15.928	16.428					55307	23	19.782	6.712	55379	20	24.815	14.600	55451	17	20.822	22.234
55148	26	19.482	16.754					55308*	38	21.608	6.030	55380	14	25.124	14.082	55452	13	24.055	22.242
55149*	43	19.883	16.100					55309	14	23.469	6.356	55381	24	25.378	14.661	55453	26	1.630	23.034
55150	31	22.794	16.145					55310	24	23.598	6.420	55382	10	1.973	15.948	55454	16	7.848	23.065
55151*	36	2.850	17.703					55311	12	24.389	6.712	55383	19	4.580	15.979	55455	12	11.486	23.001
55152*	39	3.284	17.866					55312	10	2.199	7.472	55384	13	5.111	15.366	55456	10	12.466	23.448
55153*	34	5.164	17.514					55313	12	3.460	7.824	55385	11	11.534	15.276	55457	13	16.800	23.392
55154	10	8.307	17.478					55314	17	4.702	7.824	55386	20	15.614	15.560	55458	20	18.602	23.938
55155	11	14.822	17.424					55315	11	14.807	7.661	55387	10	16.046	15.699	55459	10	19.860	23.230
55156	16	17.058	17.042					55316	12	18.516	7.636	55388	10	20.208	15.720	55460	22	21.206	23.190
55157	10	21.244	17.454					55317*	66	22.352	7.720	55389	14	22.393	15.884	55461	24	23.504	23.488
55158	26	24.910	17.585					55318*	35	22.703	7.964	55390	26	25.234	15.224	55462	15	25.098	23.048
55159	26	1.506	18.343					55319	15	25.142	7.506	55391	32	1.589	16.365	55463	20	2.296	24.852
55160	13	5.668	18.545					5											

55472*	40	21.756	24.934	55535*	34	11.832	4.431	55607	23	18.048	14.272	55679	13	13.130	25.511	55745	17	14.376	6.490
55473	12	22.787	24.140	55536	15	13.008	4.314	55608	16	22.818	14.880	55680	34	14.725	25.620	55746	34	16.270	6.850
55474	19	2.592	25.959	55537	11	14.250	4.857	55609	28	3.004	15.385	55681	10	17.520	25.785	55747	28	17.780	6.670
55475	17	3.170	25.899	55538	10	15.024	4.562	55610*	32	6.476	15.145	55682	70	24.453	25.886	55748	25	25.656	6.472
55476	22	5.016	25.530	55539	10	15.132	4.354	55611	24	9.146	15.118					55749	10	0.814	7.948
55477	16	7.244	25.634	55540*	37	16.478	4.548	55612	16	13.206	15.310					55750	10	1.715	7.324
55478	32	8.792	25.212	55541*	38	2.026	5.646	55613	14	20.250	15.870					55751	25	10.118	7.523
55479	25	10.636	25.582	55542	17	5.875	5.930	55614	23	23.464	15.150					55752	11	11.007	7.240
55480	26	11.278	25.892	55543*	35	8.211	5.594	55615	12	0.171	16.074					55753	29	12.070	7.533
55481	12	13.186	25.016	55544*	37	9.013	5.696	55616	21	1.405	16.404					55754	24	17.636	7.584
55482	16	13.216	25.400	55545	12	10.316	5.342	55617	29	1.998	16.850					55755	12	17.723	7.762
55483	15	14.626	25.134	55546	11	11.781	5.112	55618	24	5.722	16.864					55756	24	20.559	7.700
55484	20	15.128	25.630	55547	14	18.030	5.578	55619	30	5.972	16.355					55757	10	21.650	7.668
55485	20	25.735	25.995	55548	10	19.796	5.504	55620*	27	7.005	16.641					55758*	100	23.380	7.642
				55549	10	21.205	5.519	55621*	35	13.180	16.214					55759	18	23.674	7.265
				55550	13	1.152	6.536	55622	13	16.414	16.680					55760	22	23.946	7.780
				55551	24	1.282	6.599	55623	16	0.960	17.140					55761	13	2.319	8.144
				55552	10	7.377	6.962	55624	23	5.960	17.392					55762	13	4.948	8.480
				55553	34	9.113	6.065	55625	16	8.445	17.580					55763	13	5.412	8.298
				55554*	89	15.240	6.862	55626	22	13.872	17.755					55764	16	8.675	8.195
				55555	10	17.100	6.253	55627	11	14.359	17.711					55765	10	14.560	8.261
				55556	17	19.640	6.454	55628*	34	14.443	17.304					55766	20	16.678	8.100
				55557	32	22.430	6.247	55629	10	19.202	17.414					55767*	60	23.892	8.730
				55558	10	22.526	6.496	55630	28	19.548	17.872					55768*	54	25.955	8.346
				55559	16	23.024	6.488	55631*	82	20.770	17.000					55769	10	4.700	9.818
				55560	56	0.040	7.911	55632	22	14.700	18.452					55770	15	4.706	9.239
				55561	25	2.836	7.670	55633	34	15.514	18.601					55771	12	6.213	9.871
				55562*	51	3.120	7.562	55634	11	16.765	18.424					55772	14	6.542	9.362
				55563	14	4.924	7.087	55635	20	17.434	18.229					55773*	29	9.664	9.736
				55564	17	9.064	7.324	55636	28	24.152	18.283					55774	17	10.016	9.587
				55565	14	20.575	7.966	55637	18	25.018	18.622					55775	30	11.357	9.472
				55566	14	23.696	7.967	55638	24	9.268	19.409					55776	30	12.515	9.732
				55567	34	0.400	8.150	55639*	34	9.500	19.704					55777	12	12.825	9.570
				55568	28	0.585	8.696	55640*	40	20.885	19.400					55778	13	20.810	9.746
				55569*	41	1.510	8.250	55641	22	25.939	19.473					55779	23	2.923	10.996
				55570	13	4.048	8.657	55642	20	8.570	20.460					55780	14	5.169	10.406
				55571	10	6.692	8.880	55643	23	10.969	20.210					55781	14	6.430	10.794
				55572	15	6.829	8.092	55644*	39	20.850	20.011					55782*	32	7.445	10.000
				55573	17	12.892	8.601	55645	32	21.325	20.830					55783	10	8.596	10.140
				55574	24	17.250	8.231	55646	42	0.610	21.016					55784	11	11.315	10.924
				55575	18	20.170	8.166	55647	12	2.350	21.188					55785	12	12.168	10.887
				55576	33	6.415	9.098	55648	24	4.140	21.444					55786	14	14.298	10.022
				55577	17	7.250	9.430	55649	29	7.692	21.734					55787	26	20.560	10.112
				55578*	43	16.338	9.800	55650	12	7.912	21.794					55788	10	2.164	11.845
				55579*	33	4.740	10.216	55651	24	16.710	21.986					55789	10	2.546	11.504
				55580	26	10.206	10.042	55652	28	16.860	21.590					55790	11	4.616	11.028
				55581	30	12.371	10.550	55653	18	20.176	21.838					55791	28	5.944	11.618
				55582	10	17.180	10.062	55654*	34	20.892	21.240					55792	26	10.252	11.090
				55583	29	24.250	10.829	55655	23	22.349	21.212					55793	10	12.054	11.318
				55584	12	8.452	11.889	55656*	35	23.720	21.731					55794	12	13.876	11.550
				55585	27	13.509	11.154	55657	25	5.033	22.926					55795	10	18.960	11.514
				55586	16	20.140	11.820	55658	23	7.436	22.706					55796	21	23.337	11.066
				55587	11	23.475	11.662	55659	32	14.380	22.805					55797*	46	24.064	11.560
				55588*	33	24.424	11.948	55660	31	1.356	23.667					55798	10	24.213	11.152
				55589	20	4.078	12.784	55661	18	2.946	23.211					55799	11	25.049	11.201
				55590	20	16.817	12.588	55662*	33	7.187	23.154					55800*	31	3.118	12.114
				55591	10	17.942	12.570	55663*	46	11.334	23.334					55801*	42	9.274	12.496
				55592	10	20.570	12.080	55664*	34	15.838	23.746					55802	10	11.432	12.426
				55593	24	0.696	13.650	55665*	36	16.380	23.290					55803*	32	16.526	12.748
				55594	13	1.256	13.312	55666	16	18.258	23.526					55804	10	25.000	12.384
				55595*	41	9.086	13.282	55667	33	25.876	23.860					55805	21	25.722	12.028
				55596	32	20.736	13.150	55668*	45	5.286	24.931					55806	15	2.850	13.474
				55597	22	24.130	13.302	55669	15	6.667	24.066					55807	20	3.796	13.630
				55598	23	25.072	13.476	55670*	37	8.241	24.238					55808	19	5.776	13.802
				55599	24	0.200	14.618	55671	12	8.974	24.913					55809	25	6.060	13.176
				55600	30	0.832	14.910	55672	10	10.361	24.632					55810*	32	8.865	13.338
				55601	22	2.579	14.766	55673	25	11.479	24.684					55811	18	12.564	13.606
				55602	12	2.881	14.246	55674	34	11.637	24.648					55812*	29	13.170	13.994
				55603	24	3.142	14.821	55675	24	12.074	24.180					55813	13	15.443	13.705
				55604*	43	7.699	14.546	55676*	43	12.276	24.551					55814*	55	20.855	13.210
				55605*	28	14.825	14.162	55677	14	25.081	24.562					55815	11	21.160	13.126
				55606*	32	17.885	14.686	55678	11	10.350	25.784					55816	28	21.644	13.636

R.A. 13^h 0^m

Plate 1958 ; 1922 Mar. 24.

Provisional Constants.

A	B	C
-0.1680	+0.0940	+5378

D	E	F
-0.0951	-0.1726	-0.329

Mag. = 16.3 - 0.96 \sqrt{d}

No.	d	x	y
55701	21	0.677	0.702
55702	15	2.363	0.866
55703	12	7.126	0.072
55704	13	15.068	0.006
55705	23	18.724	0.180
55706	26	20.556	0.558
55707	10	2.878	1.525
55708	14	4.635	1.180
55709	10	6.558	1.090
55710	50	12.095	1.267
55711	12	16.780	1.466
55712	18	17.694	1.100
55713	15	21.488	1.016
55714	12	2.111	2.444
55715	39	5.536	2.188
55716	26	6.727	2.803
55717	12	16.100	2.798
55718	14	4.770	3.803
55719	19	8.390	3.353
55720	10	8.768	3.248
55721	12	13.032	3.560
55722	21	15.610	3.050
55723	12	16.020	3.374
55724	14	20.538	3.989
55725	19	7.135	4.750
55726*	57	11.150	4.275
55727*	44	12.124	4.094
55728	16	13.370	4.855
55729	25	14.170	4.650
55730	10	14.598	4.950
55731	34	18.355	4.845
55732	12	22.004	4.077
55733	10	5.490	5.562
55734*	29	5.950	5.353
55735	11	10.873	5.103
55736	13	11.198	5.500
55737*	37	14.160	5.130
55738	14	17.144	5.660
55739	36	23.090	5.318
55740	28	1.018	6.446
55741	18	1.619	6.678
55742	10	8.782	6.392
55743	10	10.180	6.760
55744	21	10.397	6.078

55817*	37	15-390	14-088	55889	16	15-069	23-730	55984	15	15-385	3-276	56056*	46	10-149	10-596	56128	26	10-028	19-21
55818	30	20-096	14-076	55890	26	19-112	23-440	55985	20	15-878	3-568	56057	39	10-850	10-796	56129	11	13-132	19-07
55819*	50	21-942	14-276	55891	13	4-010	24-718	55986	14	21-260	3-519	56058	34	12-776	10-936	56130	18	19-330	19-46
55820	11	24-185	14-581	55892*	30	4-788	24-000	55987	20	21-492	3-328	56059	14	20-486	10-415	56131	15	20-394	19-07
55821	14	1-566	15-075	55893	23	5-837	24-566	55988	21	22-539	3-006	56060	37	21-926	10-713	56132	26	1-756	20-48
55822	22	2-219	15-334	55894	16	7-310	24-894	55989	33	23-052	3-560	56061	32	1-150	11-554	56133	23	4-408	20-80
55823	10	10-455	15-766	55895*	41	9-442	24-033	55990*	50	23-846	3-516	56062	20	2-032	11-624	56134*	75	6-070	20-50
55824	13	11-658	15-944	55896*	57	9-625	24-233	55991	39	25-996	3-986	56063	24	2-866	11-656	56135	15	6-890	20-20
55825	18	12-710	15-596	55897*	31	10-985	24-422	55992	18	0-182	4-749	56064*	96	4-172	11-586	56136	29	7-442	20-31
55826	18	12-875	15-240	55898*	26	25-527	24-751	55993*	60	2-116	4-986	56065	34	9-250	11-494	56137	17	11-846	20-80
55827	11	20-302	15-094	55899	28	10-290	25-850	55994	24	4-216	4-426	56066	23	14-060	11-655	56138	37	17-685	20-60
55828	10	21-028	15-018	55900	26	11-000	25-074	55995	35	8-084	4-396	56067	38	14-926	11-146	56139*	55	18-420	20-40
55829	19	21-338	15-078	55901	14	13-730	25-510	55996	23	9-844	4-736	56068	35	18-563	11-634	56140*	40	19-879	20-30
55830*	68	22-350	15-965	55902	14	14-560	25-040	55997	15	13-990	4-430	56069	18	18-598	11-668	56141	12	20-789	20-09
55831	12	1-295	16-632	55903	10	15-080	25-505	55998	23	14-646	4-154	56070*	58	1-884	12-034	56142*	40	25-574	20-10
55832	9	2-911	16-878	55904	23	15-094	25-741	55999	24	16-226	4-985	56071	29	2-844	12-835	56143	32	25-608	20-70
55833	10	3-318	16-210	55905	15	24-038	25-920	56000*	38	17-542	4-334	56072	33	3-556	12-470	56144	38	2-500	21-40
55834	12	3-995	16-412					56001	39	20-260	4-104	56073	38	9-914	12-252	56145	37	3-384	21-10
55835	19	7-079	16-108					56002*	38	20-384	4-342	56074	21	10-478	12-206	56146	24	3-618	21-28
55836	10	10-688	16-556					56003*	40	20-874	4-617	56075	30	12-683	12-166	56147	37	10-516	21-50
55837	10	15-876	16-786					56004	37	23-041	4-802	56076	29	14-535	12-724	56148	21	13-694	21-00
55838	11	21-272	16-626					56005	40	0-796	5-814	56077*	54	20-654	12-961	56149	16	15-598	21-60
55839	10	1-940	17-199					56006	33	6-152	5-306	56078	37	22-019	12-050	56150	26	15-908	21-60
55840	30	6-400	17-806					56007	26	8-350	5-436	56079*	58	25-497	12-346	56151*	117	15-926	21-60
55841*	28	8-366	17-434					56008	26	9-690	5-965	56080*	54	7-264	13-606	56152	16	20-905	21-20
55842	25	13-479	17-907					56009	37	11-171	5-544	56081	34	8-894	13-399	56153	19	23-825	21-90
55843	19	13-620	17-020					56010	40	11-533	5-352	56082	38	13-122	13-677	56154	28	1-885	22-60
55844	14	16-976	17-760					56011*	58	12-344	5-784	56083	24	17-012	13-664	56155	13	2-713	22-90
55845	14	21-790	17-994					56012	24	22-460	5-960	56084	38	21-735	13-785	56156	17	4-957	22-80
55846	10	23-037	17-065					56013	30	23-975	5-020	56085	35	24-911	13-132	56157*	56	5-985	22-64
55847	23	2-965	18-454					56014	23	1-236	6-736	56086	12	4-074	14-594	56158	28	9-554	22-60
55848	10	3-540	18-052					56015	38	3-384	6-918	56087	23	4-292	14-766	56159	19	12-450	22-50
55849	16	3-835	18-776					56016	16	3-562	6-494	56088*	106	4-736	14-054	56160	18	13-215	22-80
55850*	33	7-643	18-736					56017	37	4-735	6-416	56089	26	5-127	14-176	56161	12	13-962	22-80
55851	10	9-732	18-292					56018	40	11-106	6-298	56090	38	6-412	14-964	56162	35	20-770	22-30
55852	13	15-684	18-894					56019	23	11-122	6-280	56091	18	10-414	14-588	56163	17	22-516	22-60
55853	13	16-816	18-454					56020	35	11-135	6-626	56092	31	16-704	14-982	56164	15	23-874	22-40
55854	27	22-359	18-585					56021	35	18-700	6-040	56093	38	24-426	14-126	56165*	46	25-138	22-00
55855	18	23-364	18-453					56022	28	25-000	6-850	56094	23	2-066	15-048	56166	15	5-436	23-90
55856	18	4-771	19-610					56023	36	1-418	7-747	56095	29	5-706	15-836	56167	30	5-935	23-80
55857	19	6-536	19-514					56024	20	1-524	7-124	56096	26	10-966	15-314	56168	10	6-400	23-40
55858	10	7-308	19-310					56025	23	3-556	7-924	56097	32	11-365	15-486	56169	25	8-814	23-90
55859*	44	7-363	19-910					56026	20	7-274	7-624	56098	38	13-154	15-267	56170	24	8-979	23-80
55860	13	7-640	19-896					56027	32	11-494	7-203	56099	17	13-236	15-702	56171	12	11-766	23-30
55861	14	7-706	19-482					56028	15	12-084	7-300	56100	24	14-424	15-866	56172	37	18-916	23-90
55862	13	9-955	19-807					56029	13	16-557	7-204	56101	32	15-524	15-804	56173	19	20-552	23-40
55863	10	10-672	19-887					56030	37	18-080	7-674	56102	12	16-440	15-944	56174	19	21-906	23-40
55864	14	12-540	19-405					56031	14	19-298	7-912	56103	39	23-370	15-444	56175	19	5-676	24-80
55865	11	19-249	19-509					56032*	52	23-920	7-724	56104	98	0-252	16-466	56176	20	8-636	24-00
55866	10	4-095	20-658					56033	12	24-850	7-876	56105*	72	4-786	16-846	56177	37	9-528	24-90
55867	20	6-368	20-762					56034	82	0-064	8-014	56106*	59	17-101	16-576	56178	26	10-236	24-30
55868	11	7-674	20-860					56035*	132	1-116	8-134	56107*	39	24-066	16-858	56179	38	10-542	24-70
55869	13	10-602	20-542					56036	33	1-698	8-256	56108*	42	25-544	16-954	56180*	40	12-178	24-30
55870	13	12-890	20-076					56037*	58	3-710	8-786	56109	20	0-970	17-555	56181	15	17-912	24-80
55871	20	17-100	20-639					56038	12	5-317	8-696	56110	14	4-371	17-360	56182	19	18-730	24-00
55872	14	18-090	20-009					56039	18	6-596	8-926	56111	15	4-736	17-976	56183	13	20-056	24-10
55873	15	23-767	20-012					56040	25	6-930	8-515	56112*	58	5-212	17-600	56184	23	21-114	24-80
55874	27	24-492	20-994					56041	37	12-565	8-772	56113	18	6-134	17-822	56185	22	21-320	24-30
55875	22	25-384	20-684					56042	17	12-578	8-890	56114	20	11-402	17-751	56186	31	22-772	24-20
55876	10	25-614	20-845					56043	24	19-459	8-750	56115	19	12-466	17-316	56187*	39	3-606	25-10
55877	27	0-184	21-052					56044	32	24-623	8-575	56116	19	19-694	17-379	56188	34	4-970	25-60
55878	18	1-214	21-415					56045*	76	1-654	9-214	56117	23	22-160	17-638	56189	14	7-942	25-10
55879*	30	2-595	21-910					56046	14	4-067	9-325	56118	32	1-325	18-936	56190	33	9-063	25-00
55880	17	7-856	21-174					56047	26	4-616	9-865	56119*	52	5-444	18-584	56191*	58	9-079	25-10
55881	17	11-144	21-728					56048	13	12-721	9-650	56120	15	7-768	18-202	56192	42	9-296	25-40
55882*	27	15-773	21-515					56049	22	16-482	9-716	56121	25	10-752	18-766	56193	22	11-836	25-40
55883	28	18-245	22-520					56050	38	18-350	9-384	56122	22	15-146	18-082	56194	39	12-417	25-00
55884	26	20-618	22-000					56051	35	18-486	9-204	56123	26	15-208	18-264	56195	28	17-811	

R.A. 13 ^h 16 ^m				R.A. 13 ^h 24 ^m			
Plate 1960; 1922 Apr. 23.				Plate 1961; 1922 Apr. 23.			
Provisional Constants.				Provisional Constants.			
A	B	C		A	B	C	
-01786	+01302	-1948		-01745	-01244	+0622	
D	E	F		D	E	F	
-01356	-01762	+0062		-01243	-01765	-0616	
Mag.=15.8-0.96√d				Mag.=15.9-0.96√d			
No.	d	x	y	No.	d	x	y
56201	12	5.356	0.902	56451	37	0.569	0.933
56202	12	5.420	0.223	56452	30	5.235	0.074
56203	17	8.139	0.087	56453	33	6.464	0.738
56204	20	13.867	0.540	56454	19	9.040	0.506
56205	37	20.190	0.108	56455	16	12.830	0.860
56206	10	20.938	0.936	56456	12	14.494	0.250
56207	35	22.180	0.693	56457	21	17.212	0.272
56208	9	16.569	1.988	56458	12	20.726	0.574
56209	10	20.094	1.124	56459	21	3.408	1.304
56210	15	25.011	1.101	56460	17	3.994	1.354
56211	17	25.594	1.158	56461	33	10.272	1.688
56212	10	3.364	2.136	56462	22	10.644	1.036
56213	14	3.964	2.653	56463	10	11.141	1.466
56214	12	4.718	2.953	56464	14	11.479	1.622
56215	10	7.156	2.634	56465	10	14.970	1.850
56216	11	7.184	2.924	56466	23	19.685	1.656
56217	18	11.430	2.526	56467*	40	2.665	2.962
56218	12	17.522	2.206	56468	12	5.208	2.226
56219	12	19.266	2.610	56469	10	6.296	2.630
56220*	39	24.247	2.749	56470	27	8.394	2.539
56221	9	25.950	2.915	56471	10	13.611	2.902
56222	12	0.468	3.114	56472	21	14.800	2.681
56223	20	0.989	3.660	56473	13	18.849	2.034
56224*	38	1.782	3.610	56474	10	21.278	2.660
56225	24	3.968	3.216	56475*	35	24.750	2.335
56226	12	5.616	3.916	56476	23	3.082	3.890
56227	19	6.898	3.460	56477	29	3.499	3.848
56228	13	18.483	3.127				
56229	16	24.651	3.682				
56230	25	25.070	3.646				
56231	14	25.764	3.232				
56232	18	0.994	4.903				
56233	22	3.940	4.052				
56234	9	4.462	4.788				
56235	13	5.835	4.760				
56236*	77	12.528	4.007				
56237	21	13.385	4.368				
56238	10	14.146	4.032				
56239	23	14.444	4.659				
56240	28	14.464	4.664				
56241	21	14.818	4.176				
56242	14	15.996	4.307				
56243	23	16.393	4.824				
56244*	32	17.474	4.902				
56245	17	17.896	4.619				
56246	12	18.860	4.460				
56247	8	19.380	4.181				
56248	21	20.728	4.175				
56249	19	23.102	4.262				
56250	16	23.806	4.094				
56251	26	24.346	4.523				
56252	16	1.927	5.110				
56253	24	4.567	5.242				
56254	20	8.607	5.501				
56255	10	8.657	5.486				
56256	21	10.036	5.272	56328*	33	16.718	14.252
56257	10	12.836	5.250	56329	13	21.649	14.146
56258*	55	15.657	5.848	56330	24	22.444	14.586
56259*	51	15.748	5.831	56331	26	1.448	15.540
56260	8	16.044	5.928	56332*	67	10.928	15.444
56261	8	20.486	5.020	56333	16	14.472	15.157
56262	9	22.833	5.249	56334	12	19.378	15.416
56263*	33	23.576	5.198	56335	22	19.402	15.396
56264*	26	24.212	5.302	56336	20	21.600	15.106
56265	14	0.425	6.070	56337*	30	23.372	15.652
56266	11	2.976	6.928	56338	9	24.859	15.188
56267	11	5.974	6.050	56339*	24	2.162	16.947
56268	8	6.620	6.348	56340	22	5.530	16.806
56269	29	6.672	6.719	56341	13	17.604	16.498
56270	23	7.449	6.824	56342	24	20.656	16.202
56271	26	9.235	6.628	56343	8	21.780	16.981
56272	21	14.055	6.713	56344	9	0.264	17.749
56273	13	23.175	6.378	56345*	31	3.640	17.022
56274	15	23.924	6.962	56346*	22	8.627	17.370
56275	22	25.348	6.530	56347*	20	8.889	17.267
56276*	40	1.904	7.816	56348	23	23.611	17.454
56277	8	5.466	7.701	56349*	21	24.556	17.998
56278	9	5.682	7.767	56350	24	25.960	17.613
56279	19	6.426	7.176	56351	9	25.994	17.046
56280	8	7.702	7.164	56352	14	1.718	18.748
56281	19	9.128	7.211	56353	9	2.353	18.900
56282	9	10.575	7.063	56354	16	9.194	18.170
56283	23	11.116	7.329	56355	18	11.966	18.808
56284	23	18.484	7.056	56356	21	4.689	19.340
56285	10	19.582	7.493	56357*	31	4.973	19.880
56286	8	22.461	7.012	56358*	24	7.696	19.712
56287	9	23.978	7.451	56359	12	17.218	19.946
56288	36	25.438	7.442	56360	21	22.587	19.870
56289	15	2.618	8.659	56361	12	22.980	19.139
56290*	160	5.844	8.518	56362	23	24.039	19.538
56291	9	6.294	8.562	56363	11	25.154	19.192
56292	14	12.484	8.636	56364	8	25.694	19.390
56293	15	13.020	8.672	56365*	33	3.706	20.222
56294	8	24.519	8.182	56366	19	3.748	20.822
56295	15	24.590	8.290	56367	13	20.089	20.963
56296	8	25.041	8.301	56368	19	25.050	20.257
56297	10	3.632	9.861	56369	12	11.644	21.900
56298	21	6.181	9.372	56370	12	14.198	21.479
56299	10	11.530	9.894	56371	12	16.932	21.391
56300	20	14.064	9.533	56372	11	18.316	21.975
56301	12	20.132	9.046	56373	9	21.488	21.721
56302	9	22.824	9.806	56374	10	25.316	21.648
56303	50	25.787	9.206	56375	8	0.680	22.799
56304	20	5.478	10.793	56376	10	1.980	22.016
56305*	27	8.268	10.564	56377*	36	3.292	22.117
56306	27	8.296	10.158	56378	11	4.486	22.563
56307	9	15.250	10.294	56379	8	5.676	22.622
56308	12	20.418	10.093	56380	19	7.690	22.444
56309*	37	22.088	10.489	56381	17	10.132	22.802
56310	13	23.289	10.585	56382	11	10.202	22.940
56311	11	25.892	10.553	56383	19	11.194	22.905
56312	20	5.553	11.398	56384	21	12.144	22.392
56313	8	10.064	11.278	56385*	31	12.328	22.842
56314	11	21.089	11.550	56386	12	16.413	22.979
56315	19	0.058	12.162	56387	10	19.953	22.430
56316*	42	3.538	12.419	56388	12	22.180	22.357
56317*	35	6.400	12.860	56389	16	4.402	23.330
56318	8	8.522	12.531	56390	9	4.727	23.126
56319*	32	13.484					

56550	12	23.466	10.904	56622	10	22.039	19.236	56756	9	25.180	6.385	56828	20	20.980	15.816
56551	10	0.640	11.743	56623	10	25.944	19.244	56757	10	1.168	7.114	56829	14	22.413	15.840
56552	9	16.238	11.786	56624	26	1.226	20.104	56758	23	7.642	7.598	56830	20	22.572	15.956
56553*	30	16.286	11.790	56625	20	3.691	20.460	56759	23	13.955	7.366	56831	10	22.978	15.427
56554	12	16.642	11.986	56626	10	13.817	20.619	56760*	34	14.566	7.034	56832	24	24.142	15.356
56555	24	18.814	11.144	56627	13	14.116	20.577	56761*	40	24.904	7.935	56833	20	24.493	15.751
56556	10	20.720	11.830	56628	25	14.774	20.596	56762	24	1.626	8.895	56834	8	2.442	16.340
56557	10	21.671	11.372	56629	26	15.504	20.272	56763	22	4.934	8.961	56835	9	2.838	16.095
56558	13	22.214	11.967	56630	10	17.317	20.634	56764	20	6.696	8.070	56836	20	3.390	16.055
56559	15	25.071	11.614	56631	15	19.034	20.798	56765	20	14.638	8.438	56837	9	6.374	16.493
56560	10	5.164	12.671	56632	33	22.932	20.389	56766	14	25.928	8.647	56838	22	14.509	16.551
56561	11	6.404	12.589	56633	10	3.976	21.846	56767	18	3.753	9.280	56839	21	19.377	16.180
56562	10	8.704	12.802	56634*	39	5.589	21.769	56768	20	4.106	9.698	56840	17	20.547	16.602
56563*	32	8.878	12.570	56635*	42	6.634	21.720	56769	9	5.807	9.074	56841	22	21.966	16.776
56564*	30	11.348	12.400	56636	10	9.830	21.708	56770*	27	12.102	9.528	56842	12	24.150	16.290
56565	21	12.045	12.213	56637	19	21.355	21.430	56771*	42	13.887	9.188	56843*	22	5.962	17.384
56566*	36	15.581	12.264	56638	22	23.083	21.677	56772	14	16.842	9.109	56844*	32	11.940	17.002
56567	10	5.630	13.352	56639*	38	23.370	21.708	56773	8	19.783	9.840	56845*	29	12.004	17.406
56568	10	13.134	13.765	56640	10	0.850	22.598	56774	18	20.975	9.098	56846	10	12.316	17.212
56569	10	13.150	13.448	56641	10	2.198	22.116	56775	10	21.410	9.568	56847	9	15.780	17.240
56570	17	19.592	13.411	56642	22	10.946	22.958	56776	21	23.733	9.021	56848	13	17.325	17.502
56571	18	0.216	14.392	56643	12	11.808	22.000	56777	10	24.539	9.140	56849*	26	17.418	17.888
56572	31	1.015	14.820	56644	14	12.326	22.940	56778	13	24.548	9.219	56850	22	20.617	17.160
56573*	31	6.621	14.836	56645*	24	17.472	22.788	56779	10	25.134	9.697	56851*	25	0.500	18.618
56574*	88	15.757	14.090	56646	19	21.605	22.470	56780	26	25.884	9.879	56852	17	2.614	18.097
56575	18	22.980	14.932	56647*	32	6.356	23.992	56781	27	0.606	10.960	56853	13	4.614	18.853
56576*	32	23.194	14.486	56648	10	7.434	23.180	56782	9	1.126	10.591	56854	10	7.975	18.256
56577	12	23.490	14.203	56649	19	13.082	23.926	56783	21	1.638	10.301	56855	14	18.422	18.996
56578	11	24.348	14.128	56650	10	14.973	23.634	56784	14	3.730	10.046	56856	11	19.312	18.346
56579	25	0.180	15.353	56651*	39	15.410	23.352	56785	23	6.443	10.007	56857	18	20.547	18.886
56580*	31	1.958	15.874	56652*	38	23.920	23.026	56786	13	8.190	10.074	56858	19	20.746	18.386
56581	10	3.437	15.392	56653	13	2.212	24.332	56787	12	19.626	10.586	56859	8	0.116	19.558
56582	23	19.678	15.205	56654	17	3.552	24.034	56788	14	20.130	10.124	56860	8	4.021	19.524
56583	16	22.736	15.404	56655	12	4.418	24.878	56789	14	20.264	10.438	56861	21	5.442	19.988
56584	25	23.430	15.162	56656	17	5.820	24.839	56790	19	21.833	10.596	56862	9	7.707	19.626
56585	9	24.800	15.804	56657	16	11.258	24.096	56791	15	1.440	11.212	56863	15	12.806	19.817
56586	28	25.355	15.770	56658	10	11.535	24.782	56792	14	3.054	11.904	56864*	38	13.667	19.902
56587	10	1.846	16.933	56659	13	11.577	24.424	56793	19	6.334	11.274	56865	14	18.973	19.213
56588	12	5.986	16.261	56660	11	11.826	24.692	56794	10	7.075	11.356	56866	20	19.528	19.015
56589	10	11.439	16.712	56661	17	16.125	24.776	56795*	86	23.540	11.867	56867	11	22.332	19.258
56590	12	12.268	16.331	56662	10	17.997	24.362	56796	24	24.972	11.957	56868	29	25.774	19.823
56591	16	13.073	16.112	56663	16	19.396	24.554	56797	13	0.204	12.290	56869	29	1.019	20.704
56592	13	14.152	16.546	56664	14	19.435	24.340	56798	17	4.653	12.800	56870	10	6.360	20.458
56593	23	16.085	16.892	56665	13	24.668	24.820	56799	11	6.454	12.220	56871	22	9.649	20.346
56594	18	16.088	16.881	56666	17	0.075	25.702	56800	8	8.820	12.384	56872	18	15.260	20.735
56595*	35	20.454	16.380	56667*	33	7.612	25.270	56801	10	9.884	12.265	56873	19	16.191	20.471
56596	17	20.840	16.932	56668	10	10.578	25.860	56802	10	14.798	12.318	56874	12	16.910	20.994
56597	10	24.403	16.046	56669	17	11.495	25.428	56803	14	20.403	12.188	56875	21	18.241	20.597
56598	27	2.220	17.676	56670	25	16.558	25.684	56804	28	22.859	12.246	56876	8	19.246	20.783
56599	26	4.570	17.804	56671	15	19.210	25.287	56805	15	7.140	13.187	56877	20	1.189	21.990
56600	25	7.310	17.416	56672	10	21.614	25.330	56806*	100	11.824	13.854	56878	8	6.070	21.126
56601	25	9.140	17.628	56673	10	22.076	25.054	56807*	29	13.305	13.769	56879	13	12.194	21.662
56602*	34	18.264	17.927	56674	10	23.408	25.223	56808	20	13.450	13.511	56880	9	12.771	21.138
56603	20	24.554	17.801	56675	32	23.638	25.590	56809	14	15.898	13.872	56881*	24	18.552	21.458
56604	12	25.889	17.666	56676	16	24.138	25.850	56810	14	23.250	13.722	56882*	41	19.988	21.476
56605*	25	3.170	18.207	56677	21	25.410	25.403	56811*	33	23.742	13.759	56883	11	24.330	21.066
56606	16	5.680	18.184					56812*	29	1.212	14.799	56884*	36	1.474	22.016
56607	25	6.020	18.734					56813	10	1.506	14.512	56885	11	4.325	22.996
56608	12	6.423	18.997					56814	9	2.364	14.425	56886	10	5.548	22.324
56609*	41	9.509	18.935					56815	11	8.403	14.362	56887	9	12.670	22.000
56610	25	15.552	18.429					56816*	31	9.184	14.302	56888	8	14.026	22.776
56611	28	17.199	18.127					56817*	62	14.706	14.732	56889	23	20.373	22.472
56612*	28	22.436	18.297					56818	9	14.712	14.418	56890	23	21.524	22.607
56613	16	1.611	19.370					56819	20	25.					

56900	15	23.136	23.492	56982	32	9.612	3.702	57054*	36	5.792	10.517	57126	31	20.878	19.391
56901	14	24.586	23.278	56983	25	9.756	3.536	57055	14	8.080	10.702	57127	13	24.180	19.174
56902	12	5.016	24.042	56984	10	10.054	3.135	57056	18	10.501	10.211	57128*	34	4.800	20.015
56903	16	5.926	24.220	56985	21	11.128	3.580	57057	12	12.184	10.295	57129	23	7.814	20.514
56904	8	9.843	24.352	56986*	37	15.566	3.218	57058	12	15.310	10.042	57130	11	7.961	20.226
56905	11	14.569	24.764	56987*	33	21.954	3.023	57059*	32	20.757	10.977	57131	23	10.178	20.575
56906*	27	19.907	24.126	56988*	59	22.826	3.481	57060	26	24.724	10.528	57132	26	10.788	20.202
56907	29	1.790	25.893	56989	12	23.958	3.918	57061	24	2.478	11.987	57133	11	11.081	20.342
56908	14	2.812	25.112	56990	9	3.958	4.261	57062	10	6.337	11.333	57134	9	12.128	20.362
56909	20	3.562	25.689	56991	22	4.556	4.303	57063	9	8.077	11.659	57135*	48	14.993	20.914
56910	25	11.442	25.848	56992	20	6.066	4.242	57064	10	13.262	11.648	57136	20	20.658	20.132
56911	13	12.027	25.771	56993*	41	6.645	4.438	57065	17	17.855	11.474	57137*	32	20.838	20.473
56912	15	12.373	25.024	56994*	41	11.070	4.838	57066*	70	19.314	11.661	57138	22	21.610	20.622
56913	12	12.589	25.438	56995	11	12.894	4.040	57067	11	23.358	11.732	57139	16	23.070	20.038
56914	12	13.042	25.485	56996	21	15.900	4.183	57068	16	25.904	11.834	57140	11	25.176	20.195
56915	26	13.297	25.562	56997	11	16.439	4.125	57069	33	1.818	12.468	57141	11	3.368	21.274
56916	9	18.249	25.900	56998	10	16.594	4.753	57070*	112	2.484	12.082	57142	11	5.112	21.480
56917	14	22.044	25.627	56999	15	17.214	4.034	57071	25	3.928	12.160	57143*	45	6.574	21.232
				57000	13	18.993	4.450	57072	9	10.622	12.578	57144	31	17.658	21.534
				57001	14	20.350	4.688	57073	14	15.556	12.570	57145	33	20.628	21.468
				57002	20	23.060	4.492	57074*	46	17.886	12.328	57146	11	21.803	21.134
				57003	21	1.926	5.698	57075	10	19.291	12.542	57147	28	23.072	21.566
				57004	12	5.068	5.411	57076	24	23.549	12.881	57148	12	23.614	21.922
				57005*	38	10.238	5.514	57077*	40	23.924	12.268	57149	24	0.572	22.843
				57006	10	10.396	5.807	57078	10	2.223	13.942	57150*	49	4.996	22.986
				57007	9	12.215	5.661	57079*	43	2.713	13.976	57151	19	9.930	22.502
				57008	26	13.434	5.891	57080	10	9.582	13.757	57152	11	12.897	22.091
				57009	21	14.384	5.812	57081	21	11.958	13.272	57153*	33	15.635	22.541
				57010	18	15.014	5.862	57082	33	24.734	13.148	57154*	40	16.172	22.666
				57011	13	18.040	5.686	57083	18	4.903	14.476	57155	8	17.443	22.876
				57012	14	20.070	5.949	57084	20	10.273	14.376	57156	22	19.838	22.086
				57013	10	24.245	5.510	57085	9	12.218	14.962	57157	13	20.180	22.378
				57014	17	25.808	5.539	57086	9	15.886	14.266	57158	13	21.174	22.084
				57015	22	0.422	6.860	57087	26	17.099	14.636	57159	23	1.710	23.036
				57016	10	4.088	6.586	57088*	37	20.924	14.312	57160	15	2.195	23.712
				57017	8	6.412	6.288	57089	15	22.293	14.613	57161	18	3.642	23.483
				57018	27	14.661	6.952	57090	9	1.970	15.648	57162	17	4.234	23.050
				57019	13	18.621	6.055	57091	27	3.129	15.564	57163	12	5.102	23.946
				57020	20	22.325	6.558	57092	21	3.484	15.958	57164	8	14.954	23.346
				57021	10	5.693	7.408	57093	35	7.048	15.899	57165*	40	15.484	23.703
				57022	23	6.475	7.892	57094*	31	8.506	15.571	57166	13	17.567	23.202
				57023	9	8.464	7.349	57095	27	19.392	15.827	57167	12	17.986	23.226
				57024	20	9.747	7.854	57096*	32	20.000	15.922	57168	11	20.190	23.118
				57025	12	19.730	7.451	57097	18	22.886	15.602	57169	15	23.942	23.568
				57026	9	20.242	7.803	57098	21	24.578	15.357	57170	12	25.250	23.654
				57027	10	22.808	7.765	57099	17	24.596	15.702	57171*	44	5.606	24.956
				57028	13	23.921	7.016	57100	21	1.564	16.180	57172*	30	8.406	24.887
				57029*	35	25.783	7.538	57101	9	3.146	16.499	57173	13	11.105	24.878
				57030	9	25.928	7.912	57102*	31	6.800	16.570	57174	10	14.477	24.498
				57031*	49	3.822	8.140	57103	9	7.734	16.699	57175	17	15.150	24.590
				57032	10	4.856	8.840	57104*	34	8.013	16.292	57176	24	22.162	24.541
				57033*	46	6.296	8.804	57105	23	8.807	16.145	57177	11	1.122	25.854
				57034	28	6.413	8.556	57106	9	16.750	16.527	57178*	39	6.142	25.083
				57035	36	6.416	8.747	57107*	47	21.272	16.800	57179	21	6.500	25.162
				57036	18	6.638	8.260	57108	10	23.019	16.934	57180	22	6.693	25.138
				57037	9	8.448	8.940	57109	11	24.147	16.450	57181	17	6.977	25.938
				57038	12	23.424	8.178	57110	20	24.213	16.847	57182*	40	7.778	25.274
				57039	11	23.444	8.440	57111	21	25.698	16.786	57183	10	8.575	25.690
				57040	22	24.063	8.068	57112	25	0.966	17.004	57184	26	9.164	25.648
				57041	24	24.216	8.894	57113	13	10.926	17.044	57185	34	11.032	25.372
				57042	10	0.344	9.802	57114	10	25.724	17.142	57186	26	12.613	25.608
				57043	21	2.663	9.236	57115	10	7.414	18.181	57187	12	15.874	25.500
				57044	9	3.472	9.346	57116	21	11.378	18.053	57188	20	16.882	25.088
				57045	10	3.479	9.425	57117*	40	13.373	18.058	57189	10	17.159	25.268
				57046	10	4.071	9.899	57118	10	19.587	19.186	57190	10	19.685	25.548
				57047	8	5.040	9.024	57119	24	20.734	18.175	57191	17	19.768	25.298
				57048	22	19.820	9.537	57120	13	21.856	18.492	57192*	24	19.831	25.356
				57049	11	21.696	9.013	57121	9	1.352	19.482	57193	29	22.959	25.207
				57050	25	25.685	9.926	57122	23	9.352	19.486	57194	15	25.290	25.040
				57051	20	25.848	9.107	57123	38	10.836	19.266	57195	8	25.793	25.702
				57052	21	0.778	10.824	57124	16	17.278	19.047				
				57053	22	4.824	10.073	57125	11	19.031	19.662				

R.A. 13^h 48^m

Plate 1963; 1922 Apr. 23.

Provisional Constants.

A B C
-01784 +00824 +1615

D E F
-00825 -01759 -0726

Mag. = 15.8 - 0.96√d

No.	d	x	y
57201	11	+845	0.440
57202	13	9.190	0.859
57203	12	10.590	0.268
57204	31	13.752	0.720
57205	33	14.246	0.222
57206	20	14.934	0.120
57207	31	14.949	0.360
57208	35	19.070	0.463
57209	10	25.475	0.212
57210	10	5.726	1.293
57211	10	7.222	1.286
57212	13	8.384	1.906
57213	20	12.468	1.139
57214	9	14.756	1.696
57215	11	15.042	1.608
57216	10	16.688	1.272
57217	18	17.950	1.166
57218	9	19.851	1.176
57219	40	21.256	1.100
57220	10	2.018	2.540
57221	31	6.039	2.302
57222	12	6.718	2.500
57223	12	7.390	2.140
57224	13	8.280	2.150
57225	15	10.664	2.451
57226*	33	14.726	2.550
57227	11	18.313	2.739
57228*	45	0.637	3.612
57229	16	4.054	3.539
57230	18	4.797	3.102
57231	16	5.112	3.198
57232	10	5.844	3.157
57233	14	9.116	3.445
57234	11	13.070	3.050
57235	12	16.191	3.820
57236*	40	18.351	3.946
57237	19	19.075	3.554
57238	25	19.275	3.028
57239	12	23.221	3.271
57240	11	24.172	3.250
57241	21	24.331	3.347
57242	9	24.821	3.706
57243	12	25.018	3.016
57244	19	0.890	4.620
57245	11	1.781	4.034
57246	11	3.704	4.070
57247	10	3.974	4.584
57248	10	9.716	4.346
57249	15	10.234	4.960
57250	22	13.204	4.848
57251	14	15.312	4.758
57252	13	23.328	4.370
57253	13	24.946	4.506
57254	10	1.090	5.618
57255	14	3.656	5.623

57256	32	5-242	5-049	57328	31	2-702	13-247	57400	12	17-048	22-760	57459	12	5-638	1-602	57531	20	24-850	9-354
57257	13	5-540	5-680	57329	10	6-940	13-178	57401	10	17-770	22-655	57460	17	17-483	1-158	57532	39	1-601	10-890
57258	13	10-601	5-070	57330	9	9-544	13-401	57402*	32	19-044	22-837	57461	29	20-013	1-419	57533	23	5-196	10-359
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57260	27	18-941	5-820	57332*	58	14-327	13-180	57404	17	19-706	22-702	57463	11	8-095	2-195	57535*	28	15-338	10-696
57261	13	19-030	5-301	57333	12	19-597	13-185	57405	10	20-022	22-777	57464	24	9-332	2-920	57536	26	17-200	10-576
57262	20	0-190	6-694	57334	17	0-284	14-753	57406	8	20-600	22-476	57465	20	17-296	2-597	57537*	38	18-448	10-102
57263	14	8-295	6-612	57335*	37	8-869	14-152	57407	10	24-986	22-622	57466*	40	17-484	2-953	57538	30	21-716	10-580
57264	15	8-410	6-605	57336*	60	17-398	14-644	57408	32	25-506	22-608	57467*	36	19-417	2-330	57539	10	23-042	10-468
57265	10	10-980	6-364	57337	14	18-548	14-914	57409	14	2-074	23-680	57468	21	19-658	2-208	57540	26	23-389	10-560
57266	12	16-416	6-076	57338	14	0-895	15-730	57410	10	3-384	23-748	57469	24	20-958	2-147	57541	15	24-860	10-103
57267	15	19-042	6-283	57339	21	2-582	15-459	57411	11	5-045	23-940	57470*	68	22-502	2-412	57542	9	25-040	10-813
57268	28	19-918	6-734	57340	13	2-605	15-804	57412	10	7-128	23-692	57471*	47	24-974	2-174	57543*	54	3-530	11-344
57269	28	20-071	6-812	57341	10	5-944	15-119	57413*	80	7-230	23-136	57472	15	25-668	2-370	57544	13	4-805	11-294
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57273*	34	3-661	7-622	57345	10	25-750	15-850	57417	10	14-254	23-653	57476	12	3-130	3-016	57548*	60	13-824	11-236
57274	31	4-149	7-308	57346	12	2-168	16-558	57418*	32	17-196	23-576	57477	14	8-993	3-566	57549	21	21-790	11-352
57275	15	4-312	7-476	57347	15	2-240	16-954	57419	16	22-310	23-448	57478	19	9-436	3-490	57550	27	21-918	11-869
57276*	39	10-704	7-230	57348	18	3-724	16-870	57420*	57	22-537	23-458	57479	22	12-105	3-764	57551	15	22-200	11-826
57277	12	14-695	7-433	57349*	37	13-599	16-450	57421	27	0-310	24-680	57480	15	13-460	3-025	57552	11	24-007	11-445
57278	10	15-721	7-139	57350	25	14-894	16-686	57422	10	0-564	24-480	57481	10	13-526	3-020	57553	33	7-280	12-921
57279	14	17-362	7-450	57351	18	16-547	16-256	57423	23	5-916	24-438	57482	11	17-058	3-632	57554*	38	7-395	12-896
57280*	36	18-926	7-370	57352*	34	22-060	16-638	57424	12	10-938	24-126	57483	29	18-962	3-650	57555	16	11-300	12-275
57281	12	20-090	7-330	57353*	35	6-213	17-655	57425	27	11-231	24-380	57484	30	22-716	3-090	57556	10	25-022	12-500
57282	10	21-374	7-947	57354*	27	8-062	17-331	57426	11	13-238	24-600	57485	16	24-114	3-500	57557*	43	4-355	13-130
57283*	76	22-306	7-996	57355*	35	9-830	17-770	57427	9	14-400	24-885	57486	14	24-255	3-490	57558	11	4-755	13-355
57284*	69	23-600	7-052	57356*	37	14-980	17-320	57428	24	19-186	24-879	57487*	60	25-070	3-664	57559	13	14-104	13-820
57285	33	25-531	7-534	57357	10	19-240	17-729	57429	10	19-259	24-241	57488	14	1-450	4-380	57560	10	14-204	13-795
57286	14	25-790	7-266	57358	20	22-216	17-685	57430	27	19-395	24-552	57489	14	3-065	4-508	57561	11	25-218	13-610
57287	10	0-098	8-418	57359	12	22-636	17-230	57431	27	20-725	24-414	57490	14	11-010	4-046	57562	24	4-638	14-613
57288	11	1-312	8-299	57360	10	23-240	17-425	57432	16	21-079	24-176	57491	11	20-520	4-677	57563	11	10-196	14-315
57289	12	1-338	8-560	57361	24	23-329	17-316	57433	25	22-631	24-542	57492	10	21-567	4-712	57564*	52	13-707	14-877
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57998	11	17-833	10-098	58070	33	6-798	20-356					58218	25	0-700	9-330	58290	33	1-442	19-464
57999	27	23-589	10-900	58071	10	12-000	20-546					58219	34	5-470	9-676	58291	19	7-004	19-214
58000	14	25-322	10-036	58072	12	16-153	20-092					58220	25	23-841	9-014	58292	24	13-567	19-198
58001	12	1-014	11-492	58073*	38	19-586	20-522					58221	27	0-205	10-257	58293*	52	14-006	19-526
58002	24	4-381	11-767	58074	13	22-595	20-821					58222	18	1-218	10-125	58294	12	15-358	19-084
58003*	55	5-800	11-754	58075	12	23-780	20-952					58223	13	3-144	10-376	58295*	52	18-712	19-742
58004	10	14-787	11-226	58076	19	25-462	20-767					58224	12	3-997	10-046	58296*	62	24-021	19-822
58005*	47	17-895	11-357	58077	36	0-280	21-935					58225	19	25-979	10-284	58297	26	1-760	20-193
58006	14	18-027	11-152	58078	12	1-164	21-860					58226	29	1-414	11-253	58298	27	5-950	20-442
58007	14	19-085	11-610	58079	10	2-614	21-866					58227	28	4-285	11-362	58299	16	11-434	20-244
58008*	30	21-456	11-610	58080*	45	6-602	21-334					58228	37	4-358	11-690	58300	25	15-556	20-504
58009	22	0-460	12-900	58081	10	15-653	21-527					58229	17	5-600	11-686	58301*	40	15-616	20-429
58010	12	1-610	12-303	58082*	46	18-260	21-868					58230	30	6-594	11-336	58302	42	22-263	20-718
58011	12	1-966	12-550	58083	34	20-718	21-810					58231*	42	8-080	11-383	58303	15	23-563	20-692
58012	9	5-849	12-820	58084	29	21-874	21-457					58232	13	10-024	11-709	58304	13	0-486	21-178
58013	15	10-100	12-950	58085	34	23-915	21-856					58233	13	16-914	11-040	58305	12	1-673	21-301
58014	30	14-856	12-248	58086	13	5-245	22-248					58234	35	18-541	11-318	58306	15	3-355	21-103
58015	33	16-408	12-661	58087	10	7-370	22-783					58235	38	8-040	12-766	58307	12	6-780	21-025
58016	10	25-838	12-235	58088	15	12-220	22-612					58236	29	9-135	12-216	58308	16	7-526	21-582
58017	12	25-910	12-680	58089*	40	15-000	22-592					58237*	40	10-998	12-845	58309	35	7-936	21-110
58018	13	2-973	13-195	58090*	45	16-728	22-420					58238	28	14-545	12-012	58310	10	8-210	21-295
58019	27	13-994	13-210	58091	8	0-953	23-671					58239	13	22-596	12-624	58311	15	8-350	21-626
58020	33	14-400	13-670	58092	11	1-920	23-322					58240*	60	23-145	12-347	58312	25	9-056	21-549
58021	12	18-386	13-948	58093	19	5-974	23-146					58241	22	24-887	12-198	58313	20	9-154	21-952
58022	10	21-533	13-890	58094	31	10-765	23-145					58242	18	3-352	13-514	58314	23	11-055	21-816
58023	10	24-545	13-242	58095															

58320	16	15.112	22.768	58414	24	25.481	0.322	58486	24	3.603	7.106	58558	38	25.000	13.594	58630	14	6.541	20.847																
58321	14	3.555	23.900	58415	26	2.500	1.277	58487	19	4.360	7.960	58559	23	0.244	14.508	58631	9	7.542	20.676																
58322	17	4.330	23.814	58416	12	3.254	1.800	58488	11	9.724	7.952	58560	19	0.583	14.658	58632	38	8.632	20.416																
58323	14	8.037	23.318	58417	15	7.100	1.015	58489	21	10.415	7.711	58561	26	3.858	14.026	58633	15	11.330	20.452																
58324*	40	8.375	23.894	58418	15	9.264	1.625	58490*	59	10.490	7.340	58562	14	6.450	14.676	58634	25	12.232	20.130																
58325	11	9.950	23.926	58419	14	10.124	1.264	58491	18	12.926	7.374	58563	37	7.150	14.500	58635	23	14.423	20.536																
58326	23	11.041	23.335	58420	20	14.864	1.862	58492	23	14.082	7.451	58564	58	10.000	14.428	58636	25	15.282	20.952																
58327	28	11.515	23.752	58421	20	16.338	1.202	58493	19	14.834	7.024	58565	15	12.884	14.293	58637*	54	19.904	20.804																
58328	19	19.874	23.861	58422	14	17.128	1.376	58494	14	22.620	7.124	58566	30	13.680	14.746	58638	16	20.956	20.558																
58329	23	22.352	23.488	58423*	44	4.836	2.148	58495*	50	22.904	7.002	58567	17	20.420	14.634	58639	39	0.158	21.419																
58330	12	24.261	23.668	58424	17	5.900	2.305	58496	32	22.947	7.332	58568	15	21.674	14.854	58640*	70	9.612	21.303																
58331	14	24.784	23.596	58425	22	9.134	2.506	58497	26	24.048	7.183	58569	12	25.086	14.978	58641	13	16.624	21.124																
58332	14	24.998	23.198	58426	15	13.356	2.693	58498	17	24.224	7.106	58570	16	5.101	15.373	58642	10	16.744	21.147																
58333	18	25.045	23.340	58427	12	16.726	2.183	58499	25	25.200	7.674	58571	32	8.222	15.076	58643	22	17.172	21.889																
58334	13	25.640	23.404	58428	11	19.986	2.675	58500	28	25.578	7.399	58572	18	8.370	15.448	58644	12	17.504	21.888																
58335	12	25.861	23.301	58429	11	21.501	2.435	58501*	68	6.200	8.306	58573	44	14.529	15.466	58645	16	18.564	21.626																
58336	20	1.568	24.436	58430	22	22.336	2.204	58502	16	7.762	8.255	58574	21	15.930	15.006	58646	15	19.956	21.134																
58337*	40	5.118	24.492	58431	21	23.294	2.872	58503	12	8.682	8.524	58575	32	18.788	15.054	58647	22	21.360	21.730																
58338*	42	9.040	24.071	58432	16	4.416	3.434	58504	20	10.978	8.874	58576	14	21.310	15.600	58648	16	22.185	21.882																
58339	13	14.083	24.192	58433	15	7.120	3.286	58505*	42	17.910	8.232	58577*	50	0.316	16.762	58649	35	23.712	21.825																
58340	11	17.099	24.856	58434	16	7.724	3.547	58506	18	20.254	8.133	58578*	66	0.436	16.322	58650	39	5.469	22.136																
58341	18	17.207	24.776	58435*	54	8.820	3.254	58507	10	22.828	8.264	58579	20	1.422	16.924	58651	17	5.472	22.604																
58342	14	18.413	24.654	58436	13	9.186	3.845	58508	27	23.295	8.034	58580*	74	1.906	16.942	58652*	46	5.903	22.594																
58343	20	19.724	24.784	58437	35	12.826	3.518	58509	10	24.669	8.143	58581	42	2.802	16.344	58653	18	13.090	22.948																
58344*	40	20.402	24.096	58438	20	12.918	3.042	58510	26	1.740	9.022	58582*	42	14.722	16.456	58654	22	16.574	22.826																
58345	11	25.765	24.696	58439	22	15.774	3.522	58511	37	8.365	9.705	58583	26	18.199	16.714	58655	22	19.227	22.955																
58346	21	2.055	25.758	58440	11	17.060	3.946	58512	35	14.876	9.268	58584	26	22.704	16.336	58656	15	20.086	22.504																
58347	33	3.178	25.130	58441	37	17.205	3.174	58513	14	18.238	9.490	58585*	55	22.786	16.976	58657	16	20.196	22.602																
58348	20	5.004	25.755	58442	22	21.904	3.694	58514*	61	18.370	9.613	58586	34	23.390	16.110	58658	40	21.744	22.062																
58349*	40	6.492	25.339	58443	15	25.634	3.385	58515	37	20.796	9.456	58587	22	4.477	17.963	58659	25	22.436	22.633																
58350	60	12.236	25.964	58444	29	1.276	4.236	58516*	55	20.880	9.191	58588	27	5.798	17.725	58660	23	0.562	23.528																
58351	21	14.746	25.105	58445	19	2.734	4.402	58517	39	21.284	9.298	58589	14	6.410	17.500	58661	21	2.478	23.665																
58352	12	14.920	25.280	58446	23	4.140	4.422	58518*	76	24.145	9.184	58590	18	9.514	17.994	58662	17	2.995	23.581																
58353	10	16.837	25.503	58447	17	5.819	4.054	58519	32	24.271	9.600	58591	55	10.678	17.956	58663	19	3.200	23.176																
58354	17	19.703	25.392	58448	14	5.922	4.328	58520	12	24.368	9.160	58592*	55	12.354	17.749	58664	20	3.250	23.319																
58355	17	21.962	25.291	58449	12	6.030	4.205	58521	18	25.834	9.650	58593	22	13.320	17.196	58665	21	3.846	23.374																
58356	35	24.776	25.614	58450	19	7.046	4.994	58522	14	3.122	10.826	58594	40	14.750	17.952	58666	15	4.064	23.264																
<div>R.A. 14^h 28^m</div> <div>Plate 1968; 1922 May 17.</div> <div>Provisional Constants.</div> <div><div>A</div><div>B</div><div>C</div><div>-0.1754 +0.1274 -4034</div></div> <div><div>D</div><div>E</div><div>F</div><div>-0.1271 -0.1742 -1542</div></div> <div>Mag.=16.9-0.96√d</div>																				58451	24	12.670	4.408	58523	32	3.904	10.248	58595	12	22.251	17.754	58667*	57	5.254	23.186
																				58452	18	14.433	4.030	58524	40	9.243	10.618	58596	38	23.479	17.471	58668	12	6.489	23.150
																				58453	18	14.538	4.874	58525	34	17.844	10.994	58597	19	1.379	18.886	58669*	40	7.005	23.082
																				58454	14	14.794	4.925	58526	21	20.062	10.838	58598	14	1.460	18.980	58670	19	11.598	23.031
																				58455	22	15.874	4.608	58527	38	21.006	10.825	58599	38	2.725	18.896	58671	17	11.776	23.013
																				58456	11	18.741	4.594	58528	20	25.592	10.316	58600	15	2.824	18.405	58672*	58	12.825	23.152
																				58457	15	18.830	4.666	58529	10	0.190	11.767	58601	36	2.968	18.833	58673	15	14.156	23.162
																				58458*	52	19.904	4.112	58530	12	5.118	11.755	58602	41	8.990	18.945	58674	12	14.200	23.800
																				58459	21	20.756	4.924	58531	16	7.738	11.810	58603*	42	10.236	18.132	58675*	52	17.446	23.100
																				58460	10	20.921	4.631	58532	39	16.154	11.066	58604	14	10.680	18.146	58676*	52	19.450	23.650
																				58461	19	22.366	4.426	58533	37	17.924	11.792	58605	22	11.514	18.200	58677	18	5.296	24.381
																				58462	17	22.900	4.634	58534*	68	20.586	11.524	58606	22	12.040	18.176	58678	19	6.492	24.966
																				58463	37	24.694	4.998	58535	41	25.786	11.576	58607	34	19.075	18.868	58679	14	9.447	24.902
																				58464	13	3.024	5.926	58536	22	0.571	12.660	58608	31	23.611	18.114	58680*	59	10.384	24.100
																				58465	14	3.179	5.024	58537*	76	1.107	12.368	58609*	76	2.150	19.826	58681	17	12.178	24.764

R.A. 14 ^h 36 ^m				R.A. 14 ^h 44 ^m			
Plate 1972; 1922 May 18.				Plate 1969; 1922 May 17.			
Provisional Constants.				Provisional Constants.			
A	B	C		A	B	C	
-01747	+01165	+1217		-01732	-00086	-2490	
D	E	F		D	E	F	
-01176	-01760	+1502		+00081	-01758	-3279	
Mag.=15.9-0.96√d				Mag.=16.5-0.96√d			
No.	d	x	y	No.	d	x	y
58701	32	1.053	0.048	59001	37	1.278	0.746
58702	23	1.094	0.412	59002	76	1.668	0.55
58703	19	4.126	0.862	59003	71	3.666	0.47
58704	27	5.841	0.928	59004	13	5.741	0.83
58705	15	7.300	0.738	59005	16	7.400	0.35
58706	23	8.090	0.608	59006	31	9.354	0.50
58707	36	9.766	0.680	59007	33	11.017	0.52
58708	28	14.084	0.728	59008	11	11.839	0.24
58709	24	15.786	0.121	59009	23	18.685	0.23
58710	37	18.062	0.652	59010	10	21.200	0.55
58711	16	18.274	0.128	59011	13	21.220	0.67
58712	31	23.522	0.931	59012	9	21.255	0.55
58713	61	23.918	0.746	59013	22	22.747	0.70
58714	56	25.918	0.670	59014	10	23.485	0.89
58715	21	6.902	1.368	59015	29	2.440	1.36
58716	24	9.106	1.279	59016	16	2.885	1.68
58717	20	18.346	1.854	59017	44	4.750	1.30
58718	19	24.681	1.560	59018	10	10.101	1.88
58719	12	25.125	1.878	59019	43	10.905	1.34
58720	18	1.002	2.784	59020	27	24.248	1.21
58721	41	5.140	2.347	59021	25	24.384	1.61
58722	20	6.896	2.778	59022	27	25.740	1.01
58723	25	8.276	2.730	59023	38	1.947	2.99
58724	11	8.707	2.133	59024	14	11.740	2.12
58725	15	13.900	2.321	59025	35	13.210	2.46
58726	20	16.980	2.146	59026	60	13.923	2.52
58727	24	19.542	2.078	59027	21	15.810	2.05
58728	20	20.322	2.128	59028	17	16.158	2.44
58729	29	20.746	2.996	59029	16	17.998	2.24
58730	14	1.970	3.440	59030	12	20.314	2.22
58731	20	10.714	3.205	59031	10	21.780	2.16
58732	74	11.316	3.227	59032	11	1.748	3.02
58733	11	11.999	3.713	59033	23	2.914	3.84
58734	32	13.253	3.374	59034	34	2.925	3.51
58735	10	13.316	3.762	59035	17	5.340	3.38
58736	26	14.148	3.094	59036	27	8.022	3.60
58737	12	17.012	3.961	59037	32	10.719	3.46
58738	16	17.484	3.760	59038	30	12.150	3.54
58739	10	18.972	3.741	59039	30	15.971	3.73
58740	10	24.094	3.646	59040	12	16.631	3.29
58741	33	24.188	3.190	59041	12	17.260	3.35
58742	28	25.164	3.708				
58743	18	0.592	4.278				
58744	18	7.255	4.636				
58745	22	18.799	4.492				
58746	19	19.439	4.886				
58747	10	20.134	4.984				
58748	28	20.570	4.790				
58749	12	24.310	4.820				
58750	14	25.152	4.042				
58751	13	1.062	5.004				
58752	14	1.600	5.206				
58753	25	3.398	5.549				
58754	23	4.656	5.720				
58755	10	9.700	5.570				
58756	10	10.090	5.981	58828	19	6.618	11.626
58757	24	13.804	5.202	58829	32	11.200	11.420
58758	32	14.990	5.070	58830	11	12.759	11.120
58759	13	16.526	5.642	58831	18	15.256	11.746
58760	12	18.797	5.250	58832	15	16.927	11.920
58761	19	19.510	5.271	58833	36	20.659	11.488
58762	13	20.100	5.906	58834	14	22.350	11.587
58763	10	2.628	6.398	58835	19	24.132	11.774
58764	12	2.729	6.576	58836	11	25.881	11.488
58765	30	3.952	6.270	58837	16	0.160	12.633
58766	16	5.683	6.798	58838	23	4.573	12.110
58767	10	6.059	6.642	58839	19	6.093	12.744
58768	10	7.995	6.410	58840	24	8.420	12.594
58769	11	9.358	6.406	58841	73	14.825	12.731
58770	29	19.314	6.012	58842	10	18.089	12.747
58771	11	20.862	6.210	58843	14	18.910	12.952
58772	37	20.954	6.240	58844	15	20.347	12.972
58773	29	24.218	6.724	58845	23	0.304	13.814
58774	10	1.350	7.700	58846	10	3.542	13.172
58775	34	1.632	7.574	58847	8	3.875	13.048
58776	20	1.680	7.901	58848	11	7.133	13.416
58777	18	2.778	7.742	58849	22	7.142	13.210
58778	10	2.956	7.664	58850	23	8.207	13.974
58779	16	3.187	7.346	58851	15	11.672	13.199
58780	19	4.312	7.938	58852	11	13.825	13.916
58781	11	9.782	7.168	58853	11	20.180	13.648
58782	26	15.767	7.663	58854	15	20.362	13.542
58783	42	17.554	7.898	58855	25	20.893	13.278
58784	14	19.060	7.330	58856	31	23.695	13.114
58785	41	20.000	7.360	58857	24	3.814	14.138
58786	40	20.118	7.658	58858	28	7.248	14.728
58787	20	21.346	7.306	58859	20	11.750	14.343
58788	15	21.874	7.352	58860	14	16.667	14.283
58789	13	22.446	7.162	58861	10	25.950	14.508
58790	11	24.830	7.494	58862	11	0.506	15.438
58791	20	2.036	8.600	58863	14	4.867	15.498
58792	9	3.414	8.692	58864	8	5.728	15.048
58793	15	3.937	8.216	58865	17	8.758	15.942
58794	39	6.127	8.122	58866	12	17.188	15.192
58795	16	10.340	8.288	58867	24	20.998	15.229
58796	19	10.884	8.462	58868	10	21.084	15.046
58797	23	13.767	8.600	58869	16	21.161	15.688
58798	12	16.408	8.295	58870	14	0.148	16.192
58799	21	24.624	8.199	58871	20	1.556	16.908
58800	24	25.710	8.900	58872	22	4.236	16.650
58801	26	0.040	9.892	58873	21	6.866	16.666
58802	49	2.896	9.740	58874	13	12.188	16.826
58803	10	4.865	9.094	58875	13	13.212	16.996
58804	11	5.414	9.211	58876	10	13.715	16.964
58805	19	7.920	9.328	58877	34	1.641	17.546
58806	12	8.512	9.028	58878	10	10.213	17.516
58807	11	8.807	9.503	58879	13	21.448	17.618
58808	16	8.995	9.942	58880	8	22.702	17.456
58809	18	9.120	9.076	58881	23	2.341	18.033
58810	10	13.115	9.019	58882	21	2.480	18.674
58811	19	18.026	9.640	58883	20	9.694	18.296
58812	11	20.285	9.040	58884	9	12.974	18.737
58813	11	23.618	9.502	58885	9	19.031	18.265
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59486	20	10-404	14-776	59558	16	11-654	21-218					59718	24	16-297	6-709	59790	15	7-307	16-814
59487	20	11-786	14-144	59559	22	19-212	21-900					59719	17	17-794	6-335	59791	20	10-946	16-276
59488	19	16-100	14-456	59560	13	19-344	21-044					59720	21	25-884	6-868	59792*	32	11-674	16-138
59489*	60	18-810	14-840	59561	10	19-650	21-456					59721	18	3-959	7-249	59793	10	11-738	16-752
59490	26	19-194	14-188	59562	10	19-816	21-336					59722	18	7-451	7-578	59794	24	20-654	16-844
59491	13	23-670	14-420	59563	12	20-020	21-070					59723	18	10-610	7-558	59795*	33	24-397	16-348</

59803*	57	11.366	17.241	59875	13	12.114	24.856	59939	11	9.644	2.705	60011	19	7.634	8.587	60083	11	12.018	14.611
59804	9	11.902	17.870	59876	19	17.645	24.612	59940	9	10.421	2.544	60012	10	9.218	8.579	60084*	85	12.266	14.605
59805*	43	14.928	17.144	59877	17	20.762	24.704	59941	16	12.959	2.914	60013	11	16.990	8.954	60085*	34	14.095	14.515
59806	15	17.377	17.637	59878	20	22.572	24.812	59942	11	13.021	2.592	60014	20	21.650	8.538	60086	16	15.908	14.022
59807	19	17.518	17.112	59879	25	23.131	24.973	59943*	38	14.915	2.324	60015	12	22.514	8.702	60087	11	15.974	14.206
59808	21	21.290	17.394	59880	8	6.752	25.278	59944	18	17.199	2.126	60016	30	23.820	8.936	60088	24	22.938	14.049
59809	19	21.350	17.062	59881	8	7.412	25.539	59945	11	18.720	2.464	60017	18	25.510	8.988	60089	11	23.081	14.274
59810	10	21.542	17.978	59882	12	13.190	25.678	59946	32	22.248	2.280	60018	28	4.784	9.495	60090	14	23.140	14.450
59811	22	23.562	17.408	59883	31	14.208	25.766	59947	19	24.960	2.239	60019	12	6.082	9.270	60091*	48	4.388	15.029
59812	14	23.865	17.076	59884	9	20.066	25.200	59948	11	1.236	3.325	60020	9	10.640	9.695	60092	19	5.946	15.795
59813	13	3.893	18.625	59885	15	21.413	25.894	59949	21	1.556	3.780	60021	10	20.459	9.086	60093*	48	6.497	15.736
59814	18	7.132	18.112	59886	11	24.407	25.563	59950	28	3.174	3.712	60022	21	20.467	9.750	60094	18	8.924	15.830
59815	9	11.434	18.981					59951	20	4.266	3.700	60023	13	23.290	9.172	60095	12	10.986	15.776
59816	10	12.660	18.630					59952	22	9.428	3.395	60024	20	24.034	9.490	60096	12	18.206	15.267
59817	11	20.548	18.424					59953	20	9.650	3.409	60025	20	0.620	10.569	60097	17	19.811	15.384
59818	20	21.610	18.444					59954	28	13.596	3.462	60026	12	5.512	10.092	60098	25	25.680	15.426
59819	27	21.853	18.780					59955	20	13.792	3.341	60027	20	5.686	10.206	60099*	42	2.545	16.626
59820	10	24.337	18.422					59956	12	15.990	3.005	60028	15	7.572	10.229	60100	13	2.605	16.385
59821	8	25.234	18.232					59957	27	17.699	3.062	60029	16	11.433	10.699	60101	17	3.838	16.538
59822	10	0.398	19.332					59958	11	17.995	3.136	60030	11	11.940	10.102	60102	11	4.490	16.125
59823*	39	4.716	19.950					59959	12	19.420	3.574	60031	26	15.352	10.008	60103	18	5.104	16.783
59824	9	5.375	19.554					59960	12	24.942	3.414	60032	15	20.175	10.404	60104	13	5.600	16.866
59825	12	8.045	19.400					59961	14	25.640	3.514	60033*	40	21.740	10.729	60105	12	6.206	16.114
59826	9	10.951	19.754					59962*	35	0.298	4.091	60034	12	22.007	10.266	60106	25	9.824	16.695
59827*	52	14.190	19.530					59963	12	2.185	4.854	60035	20	0.072	11.455	60107	47	11.920	16.713
59828	19	16.416	19.798					59964	12	2.904	4.856	60036	21	1.290	11.865	60108	12	15.768	16.320
59829	24	17.334	19.020					59965	12	4.760	4.274	60037	16	1.934	11.363	60109	20	18.580	16.195
59830*	34	19.070	19.520					59966	13	10.920	4.564	60038*	47	9.744	11.043	60110	40	18.701	16.818
59831	24	22.786	19.480					59967	20	11.866	4.695	60039	24	12.039	11.815	60111	25	18.930	16.441
59832	11	23.396	19.734					59968*	40	12.976	4.123	60040	22	18.387	11.225	60112	31	1.730	17.702
59833*	56	23.569	19.686					59969*	31	19.642	4.666	60041	10	20.114	11.436	60113	16	2.026	17.366
59834	10	23.790	19.721					59970	11	20.094	4.402	60042	12	20.356	11.364	60114	24	5.083	17.189
59835	9	25.064	19.224					59971	18	21.659	4.839	60043	42	22.839	11.721	60115	31	8.206	17.197
59836	24	25.220	19.585					59972	10	23.119	4.039	60044	22	25.095	11.698	60116	10	9.740	17.724
59837	9	0.087	20.901					59973*	73	1.954	5.049	60045	11	25.330	11.380	60117	26	11.505	17.959
59838*	32	3.884	20.326					59974	18	5.059	5.856	60046	11	3.156	12.118	60118*	52	17.035	17.882
59839	20	5.351	20.562					59975	20	6.025	5.995	60047	29	5.140	12.052	60119	15	18.316	17.595
59840	19	5.500	20.707					59976	11	7.956	5.662	60048	32	6.746	12.046	60120	10	19.058	17.628
59841	20	17.056	20.092					59977	9	9.418	5.456	60049	11	7.125	12.425	60121	16	21.630	17.242
59842	9	22.342	20.409					59978	28	9.918	5.058	60050*	60	8.394	12.335	60122	12	24.422	17.818
59843	10	23.480	20.120					59979	9	10.071	5.610	60051	18	8.522	12.839	60123	49	25.686	17.889
59844	20	25.923	20.702					59980	18	11.942	5.602	60052	14	11.474	12.192	60124	12	2.524	18.706
59845	8	1.673	21.400					59981	12	12.626	5.435	60053*	50	12.732	12.449	60125	12	3.416	18.497
59846	11	7.692	21.840					59982	12	14.585	5.464	60054	13	14.248	12.101	60126	14	4.782	18.204
59847*	46	8.817	21.597					59983	13	14.668	5.300	60055	40	15.828	12.400	60127	13	5.044	18.158
59848	21	11.509	21.412					59984	19	15.290	5.658	60056	14	15.900	12.536	60128*	50	10.699	18.386
59849*	67	13.659	21.400					59985	15	15.450	5.565	60057	18	17.257	12.454	60129*	60	11.850	18.944
59850	16	16.784	21.902					59986	38	25.868	5.212	60058	15	19.028	12.384	60130	13	16.520	18.654
59851	26	17.448	21.924					59987	13	2.800	6.144	60059	17	23.094	12.947	60131*	47	17.140	18.738
59852	8	17.795	21.172					59988	9	4.070	6.426	60060	34	23.390	12.666	60132	25	20.645	18.778
59853	12	22.239	21.580					59989	16	4.435	6.241	60061	24	24.190	12.650	60133	15	21.234	18.474
59854	12	22.900	21.442					59990	12	5.520	6.025	60062	15	24.264	12.662	60134	12	22.036	18.246
59855	11	23.067	21.381					59991	25	5.542	6.026	60063	13	25.227	12.213	60135	40	0.042	19.106
59856	20	23.880	21.973					59992	15	14.244	6.965	60064	12	0.555	13.586	60136	10	0.530	19.155
59857	13	10.184	22.272					59993	13	17.447	6.201	60065	36	1.133	13.262	60137	31	0.993	19.791
59858*	59	16.618	22.148					59994	18	18.192	6.995	60066	22	3.758	13.157	60138*	80	1.768	19.982
59859	25	16.783	22.093					59995	23	18.649	6.425	60067*	45	5.402	13.294	60139	12	3.263	19.490
59860	22	19.618	22.584					59996	13	21.076	6.113	60068	24	7.668	13.156	60140	30	3.427	19.852
59861	14	20.205	22.132					59997	24	21.148	6.410	60069	15	10.661	13.984	60141	12	4.874	19.720
59862	22	20.208	22.980					59998	11	1.662	7.876	60070	12	11.605	13.570	60142	19	14.064	19.086
59863	20	21.618	22.544					59999	25	3.867	7.125	60071	10	11.704	13.959	60143*	51	17.738	19.482
59864	12	24.440	22.023					60000	13	6.112	7.090	60072	9	15.829	13.948	60144	13	19.876	19.046
59865*	32	16.184	23.852					60001	18	6.392	7.573	60073	10	18.898	13.072	60145	36	22.398	19.298
59866	20	17.512	23.423					60002	10	9.629	7.504	60074	13	19.343	13.908	60146	20	23.782	19.051
59867	10	19.784	23.146					60003	10	12.886	7.544	60075	27	20.259	13.225	60147	19	25.169	19.667
59868	16	20.867	23.302					60004*	52	15.931	7.230	60076	18	21.678	13.801	60148	12	0.566	20.725
59869	16	20.877	23.134					60005	9	17.754	7.145	60077*	52	23.822	13.736	60149	13	1.605	20.031
59870	16	22.520	23.092					60006	9	18.726	7.130	60078	12	24.728	13.229	60150	11	1.695	20.415
59871	14	24.051	23.366																

60155	13	6.730	20.554	60227	31	25.052	24.730	60323	20	6.431	2.515	60395	10	0.524	8.736	60467	14	1.182	14.482
60156	18	9.965	20.035	60228	10	0.672	25.590	60324	15	8.095	2.645	60396	27	1.828	8.965	60468	14	4.792	14.276
60157*	126	11.026	20.125	60229	24	0.868	25.124	60325	12	8.140	2.776	60397	22	2.932	8.011	60469	21	7.300	14.758
60158	16	16.145	20.912	60230	34	1.430	25.275	60326	21	9.500	2.768	60398	20	9.534	8.149	60470	19	7.471	14.688
60159	36	18.330	20.058	60231	13	2.720	25.842	60327	24	11.468	2.072	60399	18	11.307	8.734	60471	26	9.980	14.486
60160	12	20.360	20.382	60232	11	2.984	25.922	60328	20	18.375	2.450	60400	11	17.720	8.514	60472	18	15.498	14.856
60161*	100	20.484	20.090	60233	25	4.339	25.041	60329	13	19.755	2.384	60401	19	17.954	8.855	60473	10	16.066	14.918
60162	10	20.510	20.560	60234	13	4.975	25.802	60330	10	20.963	2.062	60402	19	22.435	8.636	60474	10	16.746	14.454
60163	16	21.976	20.886	60235	22	5.292	25.378	60331	9	23.178	2.290	60403	12	22.462	8.311	60475	11	18.122	14.978
60164	19	25.110	20.586	60236	12	7.457	25.674	60332	19	24.372	2.098	60404	20	23.780	8.575	60476	10	19.044	14.548
60165	15	0.480	21.898	60237	18	8.200	25.982	60333	12	24.785	2.623	60405	10	1.300	9.204	60477*	68	20.246	14.170
60166	14	1.139	21.750	60238	38	10.148	25.787	60334	48	25.475	2.365	60406	18	2.046	9.518	60478	11	22.000	14.290
60167	15	1.307	21.684	60239	15	10.220	25.985	60335	10	3.920	3.433	60407	15	3.518	9.005	60479	12	24.518	14.274
60168	13	7.428	21.134	60240	17	12.312	25.975	60336	12	3.618	3.530	60408	24	4.460	9.204	60480	18	3.726	15.444
60169	13	8.102	21.578	60241	26	12.825	25.666	60337	12	4.134	3.122	60409	17	6.750	9.482	60481	12	10.738	15.420
60170	27	10.618	21.236	60242	32	13.878	25.801	60338	12	12.284	3.198	60410	20	8.425	9.228	60482	12	11.026	15.926
60171	15	11.970	21.342	60243	10	14.070	25.838	60339*	40	13.750	3.051	60411	11	8.470	9.894	60483*	31	13.270	15.520
60172	19	12.820	21.484	60244	10	14.097	25.660	60340	10	17.900	3.626	60412	9	13.874	9.458	60484	12	14.565	15.346
60173	20	18.239	21.214	60245	40	14.971	25.529	60341	10	18.906	3.321	60413*	22	14.598	9.375	60485	15	17.207	15.564
60174	16	19.834	21.828	60246	12	15.447	25.140	60342	21	19.020	3.455	60414	12	18.406	9.874	60486	16	17.800	15.880
60175	14	21.847	21.146	60247	20	15.757	25.295	60343	21	22.475	3.558	60415	10	21.742	9.175	60487	11	20.938	15.522
60176	12	22.168	21.990	60248	18	22.044	25.094	60344	22	23.072	3.851	60416	10	21.794	9.912	60488	10	24.264	15.482
60177	38	22.442	21.526	60249	40	22.598	25.594	60345	14	24.032	3.360	60417	12	21.821	9.884	60489	22	25.482	15.750
60178	17	22.598	21.750	60250	24	22.615	25.294	60346	16	24.439	3.495	60418	20	22.132	9.728	60490	15	6.535	16.185
60179	16	23.960	21.552	60251	19	22.638	25.622	60347	11	25.942	3.368	60419	24	24.035	9.150	60491	15	6.994	16.102
60180	10	24.670	21.586	60252*	42	23.070	25.008	60348	22	5.078	4.704	60420	13	25.390	9.284	60492	23	12.485	16.221
60181	23	2.129	22.260	60253	10	23.388	25.032	60349	24	6.180	4.045	60421	10	0.025	10.301	60493	10	13.039	16.872
60182	11	2.390	22.222	60254	16	23.620	25.363	60350	31	9.507	4.446	60422	20	6.700	10.913	60494	11	13.976	16.588
60183	15	2.687	22.302					60351	10	13.210	4.399	60423	13	8.991	10.634	60495	13	20.080	16.430
60184	12	6.079	22.579					60352*	38	18.503	4.906	60424	11	10.955	10.272	60496	12	20.362	16.929
60185	16	9.054	22.618					60353	13	19.105	4.135	60425	18	11.830	10.930	60497*	60	21.004	16.082
60186	22	11.070	22.546					60354	14	19.483	4.202	60426	10	15.817	10.450	60498	10	21.628	16.165
60187*	34	11.100	22.022					60355	26	20.820	4.582	60427	19	21.982	10.870	60499*	60	21.992	16.285
60188	12	12.304	22.918					60356	20	22.708	4.577	60428	34	0.864	11.754	60500	10	22.314	16.176
60189	10	15.767	22.690					60357*	26	3.853	5.228	60429	19	3.120	11.719	60501	18	24.880	16.956
60190	20	16.312	22.110					60358	13	7.935	5.262	60430	14	5.995	11.326	60502	14	24.995	16.321
60191	28	16.514	22.874					60359	19	8.888	5.210	60431	20	6.005	11.095	60503	15	25.526	16.200
60192	21	19.430	22.260					60360	17	13.515	5.026	60432	17	6.394	11.282	60504	10	2.484	17.840
60193	11	23.024	22.830					60361	14	16.135	5.726	60433	13	8.411	11.745	60505*	40	3.746	17.904
60194	16	23.185	22.856					60362	13	17.380	5.960	60434	12	15.592	11.886	60506	20	4.778	17.825
60195	14	23.302	22.786					60363	24	20.976	5.220	60435	19	18.936	11.810	60507*	33	6.070	17.110
60196	55	23.332	22.896					60364	22	21.808	5.958	60436*	40	21.766	11.950	60508	19	9.230	17.778
60197	18	0.788	23.405					60365	33	22.252	5.460	60437	13	23.096	11.088	60509	20	11.570	17.576
60198	11	1.678	23.541					60366	12	25.946	5.449	60438	26	25.504	11.074	60510	30	13.564	17.540
60199	15	2.324	23.650					60367	10	5.065	6.946	60439	14	1.125	12.978	60511	12	14.812	17.668
60200	24	3.995	23.774					60368	19	5.097	6.132	60440	22	1.422	12.695	60512	24	18.120	17.075
60201	20	10.270	23.171					60369*	32	7.350	6.944	60441	20	2.220	12.676	60513	10	18.820	17.742
60202	30	11.216	23.892					60370	12	12.522	6.684	60442	13	2.295	12.688	60514	10	19.395	17.874
60203	13	12.020	23.266					60371	17	14.002	6.150	60443	11	3.255	12.233	60515	12	22.092	17.668
60204	11	12.345	23.466					60372*	60	14.538	6.967	60444*	47	4.485	12.040	60516	10	24.016	17.192
60205	24	12.536	23.579					60373*	24	14.748	6.038	60445	20	10.140	12.450	60517	12	0.100	18.284
60206	10	14.400	23.181					60374	10	16.934	6.018	60446	10	10.576	12.339	60518	12	8.213	18.710
60207*	42	14.442	23.030					60375	13	20.802	6.555	60447*	36	14.095	12.975	60519	20	8.569	18.120
60208*	30	17.677	23.712					60376	14	21.596	6.218	60448	20	18.698	12.504	60520	10	8.920	18.581
60209	25	21.548	23.450					60377	12	22.090	6.379	60449	10	19.965	12.652	60521	19	15.235	18.345
60210	12	21.840	23.450					60378	11	23.004	6.655	60450*	76	20.395	12.406	60522	20	17.108	18.484
60211	25	22.176	23.008					60379	17	25.304	6.155	60451	11	20.828	12.703	60523	13	19.888	18.305
60212	12	24.395	23.780					60380	12	3.513	7.636	60452	13	23.182	12.908	60524	12	21.455	18.608
60213	22	25.782	23.606					60381	11	4.854	7.595	60453*	38	24.310	12.780	60525	20	23.084	18.426
60214	12	2.469	24.925					60382	10	10.455	7.480	60454*	40	1.858	13.765	60526	18	24.026	18.227
60215	12	4.479	24.589					60383	14	12.146	7.798	60455	28	5.892	13.826	60527	11	25.002	18.932
60216	17	4.935	24.473					60384*	60	13.612	7.885	60456	13	9.510	13.748	60528	24	0.466	19.335
60217	20	6.020	24.040					60385	11	14.245	7.035	60457	11	13.470	13.902	60529	17	1.851	19.078
60218	9	7.519	24.124					60386	24	14.276	7.357	60458	12	14.469	13.738	60530	16	3.240	19.686
60219*	62	12.694	24.484					60387	11	16.580	7.769	60459	38	15.305	13.210	60531	31	4.691	19.341
60220	10	14.356	24.412					60388	48	18.872	7.118	60460	31	16.134	13.260	60532	14	6.630	19.806
60221	22	15.024																	

60539	16	24.635	19.816	60611*	53	19.434	24.325	60685	12	13.020	3.617	60757	16	25.542	9.748	60829	38	21.726	17.815
60540	12	0.054	20.925	60612	23	23.851	24.345	60686	21	14.658	3.344	60758	14	0.906	10.314	60830	14	24.544	17.740
60541	18	3.188	20.605	60613	12	0.152	25.132	60687	21	17.294	3.680	60759	20	0.932	10.286	60831	18	1.320	18.066
60542	10	4.445	20.110	60614	38	0.704	25.628	60688*	32	21.466	3.927	60760	23	1.240	10.124	60832	23	2.320	18.808
60543	18	7.154	20.866	60615	17	0.722	25.328	60689	17	23.570	3.550	60761	13	9.820	10.665	60833	23	3.259	18.595
60544	25	9.158	20.699	60616	13	0.747	25.656	60690	23	23.830	3.316	60762	22	25.278	10.874	60834	40	10.429	18.760
60545	14	12.382	20.048	60617*	40	1.174	25.039	60691	22	24.166	3.856	60763	24	1.106	11.266	60835	19	13.140	18.956
60546	15	12.845	20.596	60618	12	1.730	25.390	60692	23	1.738	4.966	60764	10	2.225	11.474	60836	37	14.136	18.644
60547	9	13.310	20.168	60619	22	6.099	25.969	60693	22	2.094	4.234	60765*	39	4.631	11.422	60837*	48	18.711	18.857
60548	12	13.962	20.528	60620	33	9.150	25.727	60694*	56	11.356	4.980	60766	15	7.882	11.578	60838*	80	19.430	18.897
60549	13	14.024	20.695	60621	24	9.162	25.072	60695	15	11.770	4.464	60767*	38	8.332	11.514	60839	12	24.190	18.472
60550	28	15.527	20.770	60622	10	13.050	25.430	60696	17	14.681	4.546	60768	30	12.352	11.517	60840	21	25.562	18.358
60551	18	16.032	20.898	60623	11	14.376	25.695	60697	12	22.596	4.445	60769	18	21.342	11.146	60841	15	0.695	19.016
60552	14	16.233	20.500	60624	14	17.080	25.612	60698	15	24.610	4.068	60770*	52	0.905	12.352	60842	16	4.246	19.284
60553	14	17.102	20.978	60625	11	22.702	25.964	60699	14	24.760	4.136	60771	12	7.129	12.284	60843	18	5.864	19.400
60554*	34	23.625	20.915	60626	25	22.780	25.012	60700	33	0.016	5.634	60772	11	17.739	12.116	60844	15	6.000	19.466
60555*	40	24.195	20.702	60627	12	25.628	25.706	60701	38	1.296	5.855	60773	15	24.455	12.573	60845	18	7.802	19.520
60556	28	0.524	21.562					60702	19	7.222	5.314	60774	16	2.336	13.288	60846	16	11.214	19.276
60557	13	0.685	21.786					60703	22	10.144	5.597	60775*	46	3.461	13.145	60847	37	12.946	19.694
60558	12	2.044	21.578					60704	15	11.706	5.495	60776	14	4.450	13.465	60848	30	13.988	19.255
60559	24	5.328	21.002					60705	20	13.266	5.802	60777	18	6.406	13.446	60849	38	16.057	19.746
60560	22	5.736	21.624					60706	30	15.104	5.788	60778	22	6.686	13.236	60850	25	16.649	19.252
60561	18	8.641	21.818					60707	20	19.307	5.142	60779	40	9.326	13.485	60851*	60	20.284	19.395
60562	12	11.394	21.126					60708	18	19.419	5.156	60780	39	9.416	13.952	60852	15	20.706	19.584
60563	16	13.875	21.320					60709	18	24.848	5.966	60781	38	9.894	13.694	60853	15	21.678	19.894
60564*	60	16.564	21.030					60710	16	0.654	6.624	60782	37	11.632	13.983	60854	13	22.361	19.961
60565	14	17.207	21.636					60711	29	0.860	6.360	60783	37	11.916	13.595	60855	24	23.516	19.045
60566	12	21.592	21.950					60712	15	1.150	6.775	60784*	60	16.229	13.632	60856	22	23.669	19.116
60567	10	21.952	21.633					60713	21	4.358	6.506	60785	21	19.610	13.846	60857	18	24.093	19.050
60568	14	23.150	21.436					60714	14	5.398	6.755	60786*	57	20.294	13.567	60858	14	24.850	19.748
60569	42	25.528	21.702					60715	12	5.492	6.786	60787	23	24.160	13.344	60859	18	3.890	20.176
60570	13	1.278	22.888					60716	13	8.953	6.808	60788	38	25.715	13.050	60860	19	8.220	20.944
60571	11	1.391	22.816					60717	23	11.995	6.504	60789	30	0.409	14.003	60861	22	8.858	20.434
60572*	45	3.417	22.911					60718	20	14.450	6.894	60790	16	1.178	14.690	60862	11	12.648	20.249
60573	12	7.740	22.852					60719*	40	18.376	6.744	60791	24	2.244	14.146	60863*	80	13.053	20.832
60574	20	8.276	22.896					60720	27	19.716	6.908	60792	38	8.546	14.695	60864	38	14.267	20.530
60575	14	9.155	22.106					60721	21	22.508	6.448	60793	17	8.956	14.232	60865	20	17.066	20.100
60576	20	11.400	22.996					60722	14	24.705	6.044	60794	18	17.416	14.554	60866	14	19.271	20.650
60577	21	11.556	22.677					60723	24	25.491	6.284	60795	18	17.886	14.966	60867	15	21.250	20.539
60578	26	13.134	22.786					60724	13	2.065	7.038	60796*	57	19.786	14.113	60868	12	21.641	20.964
60579	10	13.568	22.024					60725	14	2.065	7.102	60797	22	21.394	14.226	60869	20	23.485	20.266
60580*	31	20.254	22.524					60726	35	3.584	7.916	60798	20	21.493	14.358	60870	17	2.428	21.816
60581	25	25.850	22.860					60727	37	5.482	7.106	60799*	62	22.176	14.012	60871*	39	2.895	21.288
60582	22	0.268	23.045					60728*	40	5.672	7.244	60800	14	25.828	14.444	60872*	41	3.462	21.066
60583	20	3.878	23.620					60729	15	8.870	7.563	60801	13	0.132	15.938	60873*	39	10.026	21.090
60584	10	4.718	23.245					60730	35	10.756	7.708	60802	39	5.916	15.654	60874	51	12.714	21.415
60585*	77	4.920	23.098					60731	18	13.646	7.491	60803	38	7.982	15.715	60875	17	15.295	21.555
60586	21	5.074	23.079					60732	21	24.078	7.565	60804	25	9.284	15.764	60876	18	19.314	21.680
60587*	71	6.309	23.145					60733	17	25.422	7.454	60805	59	12.796	15.154	60877	23	22.858	21.914
60588	24	6.619	23.591					60734	18	2.334	8.124	60806	12	14.563	15.815	60878	24	22.866	21.846
60589	12	7.632	23.336					60735	21	2.871	8.950	60807	18	18.100	15.240	60879	14	23.806	21.739
60590	16	8.395	23.056					60736	20	6.210	8.117	60808	17	19.974	15.107	60880	15	24.712	21.392
60591	18	8.504	23.076					60737	15	8.800	8.476	60809	28	23.691	15.382	60881	15	25.830	21.320
60592	20	9.662	23.152					60738*	38	10.341	8.155	60810	18	23.864	15.985	60882	14	0.876	22.354
60593	12	11.300	23.006					60739	20	13.868	8.556	60811	15	25.144	15.684	60883*	58	4.806	22.046
60594*	28	13.875	23.526					60740	24	15.280	8.577	60812	77	0.200	16.495	60884	19	9.676	22.975
60595	13	15.894	23.405					60741	23	15.446	8.392	60813*	80	1.192	16.684	60885	17	14.440	22.060
60596	24	17.222	23.965					60742	15	19.253	8.264	60814	17	4.200	16.674	60886*	38	17.478	22.876
60597	27	18.150	23.386					60743*	52	20.150	8.984	60815	30	4.678	16.095	60887*	42	19.476	22.736
60598	20	20.428	23.281					60744*	39	21.152	8.746	60816	18	4.730	16.545	60888	22	21.482	22.966
60599	12	22.215	23.285					60745	22	22.522	8.320	60817	19	6.265	16.412	60889	30	24.085	22.177
60600	24	22.734	23.340					60746*	42	25.192	8.550	60818	24	9.570	16.544	60890	37	24.224	22.682
60601	12	23.044	23.160					60747	46	25.218	8.564	60819	20	10.393	16.086	60891	17	1.522	23.684
60602	28	3.154	24.748					60748	21	1.528	9.028	60820*	58	11.034	16.764	60892	27	2.040	23.728
60603	10	5.340	24.130					60749	24	3.136	9.522	60821*	86	16.387	16.244	60893	14	2.348	23.544
60604	16	5.985	24.145					60750	20	5.746	9.732	60822	22	17.120	16.768	60894	37	5.149	23.200
60605	10	6.945	24.179					60751	23	9.416	9.483	60823*	35	22.691	16.780	60895	22	5.716	23.406
60606	14	8.114	24.976					60752	37	9.655	9.874	60824	36</						

60901	16	14.645	23.934	60967*	38	22.271	1.409	61039	10	3.770	9.954	61111*	25	1.056	17.036	61183	10	3.664	24.392
60902*	36	14.908	23.834	60968	34	23.138	1.532	61040	10	4.344	9.621	61112*	26	13.003	17.649	61184	20	6.080	24.480
60903	23	15.471	23.022	60969	12	1.480	2.177	61041	24	6.970	9.034	61113	22	15.130	17.686	61185	25	6.955	24.610
60904	19	15.894	23.104	60970	11	7.548	2.962	61042	15	10.351	9.930	61114	11	17.840	17.290	61186*	50	7.364	24.140
60905	16	21.004	23.934	60971	12	10.129	2.750	61043	13	11.920	9.940	61115*	50	17.942	17.155	61187	26	7.914	24.498
60906	17	21.290	23.596	60972	10	15.150	2.590	61044*	77	15.280	9.219	61116	14	17.970	17.750	61188*	48	10.676	24.163
60907*	48	24.870	23.092	60973*	57	16.002	2.430	61045	28	16.378	9.020	61117	27	0.110	18.092	61189	11	11.080	24.556
60908	24	3.174	24.716	60974	19	20.677	2.974	61046*	71	24.310	9.042	61118	11	3.959	18.560	61190*	47	21.420	24.201
60909	16	6.548	24.420	60975	26	24.424	2.132	61047	15	24.381	9.390	61119	41	6.120	18.634	61191	24	23.540	24.070
60910*	42	7.245	24.946	60976	10	1.266	3.666	61048	20	6.472	10.090	61120	9	10.756	18.499	61192	25	25.100	24.247
60911*	30	8.884	24.512	60977	13	1.370	3.140	61049*	123	12.734	10.302	61121	32	12.932	18.340	61193	28	1.907	25.810
60912	11	11.494	24.819	60978	13	1.676	3.794	61050	18	15.110	10.362	61122*	84	17.639	18.068	61194	29	8.908	25.666
60913	19	15.114	24.426	60979	16	1.931	3.555	61051	16	15.616	10.434	61123*	124	19.486	18.264	61195	10	10.122	25.385
60914	16	16.053	24.026	60980	11	4.810	3.777	61052	43	16.196	10.999	61124	26	22.370	18.205	61196*	40	11.515	25.284
60915*	44	18.084	24.378	60981	27	7.530	3.420	61053	10	16.900	10.184	61125	25	1.924	19.286	61197	26	12.838	25.360
60916	38	21.007	24.704	60982	14	9.852	3.184	61054*	144	16.956	10.392	61126	20	2.080	19.352	61198	11	14.430	25.274
60917	35	24.106	24.334	60983*	31	10.147	3.999	61055	26	17.327	10.854	61127	13	2.500	19.282	61199	17	17.674	25.452
60918	15	25.158	24.185	60984	26	13.745	3.036	61056	35	17.730	10.160	61128	10	3.270	19.964	61200	12	21.995	25.921
60919	36	2.110	25.402	60985	15	14.495	3.803	61057	42	17.832	10.374	61129	21	9.149	19.917	61201*	73	22.127	25.112
60920	16	5.372	25.698	60986	33	15.594	3.848	61058	18	18.920	10.051	61130	20	14.674	19.426	61202	49	22.500	25.576
60921	20	6.256	25.151	60987	10	15.861	3.193	61059	28	24.138	10.481	61131	28	15.570	19.356	61203	25	22.963	25.830
60922	19	6.800	25.874	60988	14	17.480	3.410	61060	35	25.286	10.805	61132*	58	16.480	19.936				
60923	19	8.814	25.586	60989	31	18.032	3.823	61061	16	3.526	11.082	61133*	40	20.364	19.002				
60924	14	9.279	25.196	60990	29	20.038	3.833	61062	22	6.769	11.940	61134	10	22.943	19.774				
60925*	31	10.424	25.024	60991	19	23.368	3.213	61063	11	7.964	11.724	61135	10	23.527	19.290				
60926	58	11.130	25.636	60992	15	2.279	4.090	61064	33	17.398	11.341	61136	11	24.343	19.240				
60927	24	12.248	25.690	60993	10	2.725	4.293	61065	20	18.524	11.484	61137	11	0.104	20.174				
60928	15	12.256	25.772	60994	9	2.879	4.360	61066	23	22.166	11.780	61138	10	0.788	20.226				
60929	15	13.588	25.479	60995	11	4.350	4.562	61067	14	23.105	11.620	61139	14	1.917	20.510				
60930	23	16.111	25.016	60996	10	7.234	4.768	61068*	79	23.816	11.816	61140	10	7.934	20.179				
60931	15	16.910	25.070	60997	11	8.168	4.276	61069	27	24.880	11.901	61141*	80	9.540	20.420				
60932	23	17.292	25.194	60998	29	8.232	4.460	61070	12	25.300	11.694	61142	17	11.300	20.300				
60933	35	19.074	25.659	60999	18	12.470	4.374	61071	20	4.846	12.936	61143	18	11.946	20.560				
60934	37	20.727	25.716	61000	28	12.940	4.310	61072	10	6.312	12.756	61144	12	16.255	20.733				
60935	37	23.374	25.570	61001	24	17.568	4.480	61073	14	7.934	12.208	61145	10	19.724	20.159				
				61002	24	21.592	4.859	61074	23	17.700	12.440	61146	19	22.620	20.588				
				61003*	38	22.290	4.854	61075	32	18.080	12.634	61147	26	24.143	20.501				
				61004	9	22.958	4.608	61076	11	18.846	12.680	61148	20	25.120	20.210				
				61005	17	24.193	4.619	61077	14	20.885	12.174	61149	10	2.266	21.974				
				61006	28	4.600	5.372	61078	12	22.023	12.450	61150	13	3.166	21.607				
				61007	14	19.210	5.766	61079	22	2.460	13.573	61151	9	4.285	21.512				
				61008	15	19.574	5.700	61080	31	4.006	13.250	61152*	64	9.686	21.196				
				61009	27	20.996	5.658	61081	14	4.325	13.116	61153	20	14.187	21.130				
				61010	14	0.670	6.711	61082*	53	7.091	13.041	61154	10	17.922	21.732				
				61011	12	3.000	6.187	61083	33	9.040	13.791	61155	16	18.360	21.150				
				61012	26	3.650	6.490	61084	14	13.860	13.786	61156	29	20.938	21.335				
				61013*	41	4.268	6.406	61085	11	18.694	13.043	61157	15	25.900	21.600				
				61014	17	6.090	6.430	61086	10	20.672	13.054	61158	20	1.322	22.168				
				61015	12	6.580	6.236	61087*	49	0.482	14.280	61159	29	1.328	22.100				
				61016	23	11.612	6.925	61088	20	10.694	14.637	61160	28	2.552	22.406				
				61017	10	13.941	6.310	61089*	67	18.280	14.142	61161	36	2.700	22.908				
				61018	26	21.995	6.760	61090	15	23.826	14.950	61162	26	5.352	22.014				
				61019	14	22.304	6.854	61091	23	2.030	15.620	61163*	59	5.356	22.346				
				61020	27	23.325	6.786	61092	15	4.970	15.970	61164*	42	7.143	22.111				
				61021	22	23.776	6.270	61093	14	9.086	15.246	61165	36	8.036	22.842				
				61022	21	2.264	7.800	61094	34	18.310	15.127	61166	29	10.172	22.396				
				61023	11	3.602	7.662	61095*	53	19.357	15.580	61167	10	15.686	22.936				
				61024*	41	9.822	7.986	61096	13	23.209	15.726	61168	9	18.582	22.100				
				61025	10	10.682	7.748	61097	11	2.216	16.219	61169*	40	19.570	22.218				
				61026*	36	11.100	7.592	61098	27	3.920	16.677	61170	9	21.645	22.322				
				61027*	40	17.970	7.352	61099	10	5.760	16.470	61171	34	22.150	22.640				
				61028	19	22.100	7.344	61100	23	10.224	16.690	61172*	52	3.352	23.306				
				61029	17	23.265	7.494	61101*	61	11.150	16.350	61173	11	5.910	23.874				
				61030	17	0.721	8.582	61102*	47	13.094	16.790	61174	11	6.115	23.926				
				61031*	46	3.395	8.764	61103	10	14.075	16.651	61175	14	11.096	23.415				
				61032	42	3.420	8.776	61104	14	15.964	16.134	61176*	34	13.749	23.922				
				61033*	36	7.154	8.712	61105	11	18.340	16.268	61177*	28	13.966	23.609				
				61034	10	21.749	8.856	61106	26	19.168	16.616	61178	15	15.445	23.428				
				61035	11	21.923	8.503	61107	10	21.064	16.772	61179*	40	20.565	23.429				
				61036	14	22.468	8.042	61108	11	21.948	16.910	61180	15	20.979	23.550				
				61037	12	1.744	9.946	61109	13	23.760	16.158	61181*	80	24.030	23.941				
				61038	15	3.520	9.320	61110	12	24.084	16.438	61182	28	2.616					

61281	13	1.858	3.625	61353	10	1.697	12.036	61425	10	19.420	21.285	61505	17	8.752	0.060	61577	10	3.787	7.495
61282	16	7.047	3.078	61354*	61	2.406	12.226	61426	29	19.609	21.480	61506	32	13.140	0.200	61578	13	4.922	7.986
61283	22	9.000	3.998	61355	19	3.476	12.297	61427	35	20.199	21.059	61507	17	13.780	0.358	61579	13	6.676	7.334
61284	24	5.780	4.208	61356	9	3.896	12.086	61428	30	22.722	21.974	61508	10	15.374	0.938	61580	27	12.988	7.070
61285	20	8.735	4.944	61357*	41	9.177	12.947	61429	10	24.224	21.412	61509	45	16.518	0.628	61581	10	13.758	7.660
61286	27	11.376	4.893	61358	12	10.613	12.005	61430	11	25.222	21.465	61510	16	18.110	0.178	61582*	37	16.391	7.922
61287	24	11.473	4.926	61359	9	24.112	12.254	61431	31	12.795	22.694	61511	11	22.101	0.157	61583	26	17.677	7.786
61288	33	13.364	4.093	61360	18	8.263	13.546	61432	10	15.146	22.080	61512	31	22.321	0.741	61584	23	19.120	7.510
61289	9	14.413	4.588	61361	18	10.924	13.632	61433	20	16.227	22.922	61513	12	0.114	1.184	61585	25	19.701	7.996
61290	11	24.033	4.532	61362	10	15.966	13.080	61434	19	17.505	22.612	61514	33	3.214	1.250	61586	14	19.866	7.465
61291	20	0.104	5.292	61363	8	16.090	13.062	61435	20	18.765	22.964	61515	43	4.892	1.770	61587	30	21.101	7.608
61292*	32	0.800	5.282	61364*	45	19.359	13.130	61436	8	22.713	22.286	61516	27	10.472	1.430	61588	10	24.928	7.918
61293	12	2.702	5.022	61365*	39	19.384	13.301	61437	8	23.140	22.850	61517	16	11.689	1.272	61589	37	0.180	8.364
61294	16	5.188	5.537	61366	19	22.404	13.809	61438	18	25.602	22.791	61518	13	13.430	1.584	61590	35	0.323	8.430
61295*	46	8.280	5.478	61367	26	24.004	13.484	61439	36	25.836	22.537	61519	33	13.680	1.566	61591	26	1.555	8.951
61296*	31	18.882	5.146	61368	14	11.220	14.962	61440	31	0.876	23.067	61520	22	16.177	1.782	61592	10	3.546	8.202
61297	12	23.347	5.616	61369*	58	12.173	14.928	61441*	46	5.515	23.909	61521	10	18.781	1.362	61593	22	10.936	8.376
61298	15	24.488	5.904	61370	15	17.193	14.424	61442*	50	10.106	23.216	61522	30	25.512	1.370	61594*	34	15.405	8.146
61299	13	24.620	5.208	61371	12	2.460	15.356	61443	13	11.352	23.390	61523	13	4.449	2.752	61595	16	17.464	8.098
61300	13	2.303	6.676	61372	19	4.770	15.998	61444	25	13.424	23.735	61524	13	6.130	2.518	61596	10	18.072	8.568
61301	9	7.130	6.244	61373	15	11.356	15.302	61445	14	14.328	23.852	61525	18	6.906	2.859	61597	37	19.447	8.982
61302	24	12.582	6.437	61374	10	16.446	15.076	61446	10	18.716	23.502	61526	34	6.971	2.986	61598	15	25.068	8.369
61303*	75	12.742	6.012	61375	19	22.200	15.738	61447	22	21.980	23.618	61527	11	16.370	2.734	61599	16	25.530	8.386
61304	4	12.857	6.618	61376	16	24.726	15.454	61448	44	0.160	24.640	61528	22	2.414	3.266	61600	38	25.638	8.684
61305	18	14.142	6.834	61377	10	1.850	16.142	61449	18	2.282	24.478	61529	41	7.015	3.151	61601	19	2.317	9.558
61306	26	18.278	6.760	61378	9	2.408	16.564	61450*	84	2.763	24.346	61530	11	7.213	3.013	61602	17	3.101	9.265
61307	8	22.350	6.960	61379	12	18.052	16.110	61451	20	3.845	24.638	61531	10	8.620	3.722	61603	18	5.174	9.625
61308	25	25.854	6.387	61380*	38	19.561	16.940	61452	11	12.970	24.718	61532	11	14.202	3.410	61604	28	5.686	9.671
61309	24	0.528	7.190	61381	8	20.860	16.495	61453	10	14.028	24.350	61533	37	16.259	3.260	61605	13	8.736	9.504
61310	15	0.643	7.773	61382*	47	21.254	16.986	61454*	40	17.530	24.999	61534	27	16.294	3.692	61606*	44	8.775	9.436
61311	10	0.838	7.278	61383	9	22.221	16.672	61455	17	19.466	24.312	61535	10	16.719	3.557	61607	15	9.790	9.550
61312	13	1.810	7.908	61384	22	25.605	16.878	61456	18	19.572	24.038	61536	25	17.160	3.946	61608	10	12.512	9.440
61313	23	1.857	7.200	61385	8	0.603	17.340	61457	25	22.866	24.871	61537*	49	24.010	3.860	61609	21	15.814	9.383
61314	15	6.334	7.523	61386	24	4.912	17.056	61458	15	25.711	24.205	61538	19	1.875	4.814	61610	10	4.846	10.212
61315*	52	11.314	7.650	61387*	30	6.609	17.516	61459	65	0.876	25.542	61539	11	4.256	4.170	61611	33	10.554	10.782
61316	14	13.678	7.746	61388	8	19.142	17.238	61460	46	1.258	25.999	61540	12	4.348	4.660	61612	9	15.652	10.178
61317	9	20.514	7.976	61389	12	19.789	17.832	61461	8	7.174	25.606	61541*	64	5.204	4.756	61613	18	16.665	10.534
61318	31	20.530	7.102	61390	10	19.844	17.904	61462*	74	9.036	25.410	61542*	45	6.090	4.351	61614	10	17.514	10.970
61319	19	24.088	7.077	61391	10	23.334	17.684	61463	15	9.628	25.332	61543	10	6.122	4.868	61615	12	19.659	10.700
61320	20	25.228	7.082	61392	10	25.535	17.193	61464	13	15.284	25.994	61544	16	7.232	4.900	61616	12	24.198	10.360
61321*	40	25.588	7.400	61393	22	1.043	18.630	61465	10	16.280	25.588	61545	10	10.618	4.382	61617	27	0.826	11.246
61322	9	0.480	8.934	61394	11	11.325	18.040	61466	9	20.341	25.728	61546	15	15.367	4.338	61618	12	2.131	11.746
61323	11	1.018	8.466	61395	13	18.550	18.276	61467	31	21.176	25.526	61547	22	16.647	4.682	61619	10	2.575	11.933
61324	12	10.181	8.367	61396*	37	19.135	18.276	61468	20	23.210	25.181	61548	10	20.837	4.156	61620	10	5.040	11.614
61325	22	22.057	8.260	61397*	102	20.180	18.734	61469	10	23.810	25.402	61549	13	20.920	4.992	61621	34	5.604	11.744
61326	24	22.312	8.072	61398	16	21.165	18.492	61470	10	24.258	25.005	61550	10	21.602	4.042	61622	27	6.525	11.450
61327	29	22.456	8.138	61399	9	22.280	18.360	61471	23	24.824	25.173	61551	10	24.724	4.229	61623	24	10.155	11.769
61328	16	23.683	8.668	61400	36	22.386	18.832					61552	24	1.196	5.902	61624	15	10.318	11.060
61329	11	25.229	8.993	61401	10	25.290	18.012					61553	21	2.466	5.485	61625	32	11.254	11.700
61330	9	0.306	9.290	61402	8	3.027	19.639					61554	16	3.937	5.733	61626*	38	13.761	11.150
61331*	60	2.866	9.446	61403	17	5.372	19.480					61555	27	4.042	5.771	61627	13	17.570	11.701
61332	10	2.946	9.790	61404	10	5.539	19.344					61556	31	10.164	5.280	61628	29	19.484	11.166
61333	17	8.042	9.093	61405	18	7.688	19.770					61557	10	18.698	5.808	61629	30	19.729	11.104
61334*	46	10.517	9.976	61406	10	12.200	19.079					61558	30	19.349	5.620	61630*	85	20.686	11.354
61335	10	18.111	9.368	61407*	32	14.936	19.650					61559	10	23.005	5.573	61631	12	20.948	11.181
61336	19	20.088	9.884	61408	9	19.646	19.260					61560	10	24.351	5.680	61632	13	2.008	12.535
61337*	31	21.764	9.390	61409	12	21.392	19.479					61561	29	2.339	6.182	61633	20	2.186	12.092
61338	11	24.440	9.280	61410	19	2.843	20.905					61562	33	3.710	6.656	61634*	84	4.064	12.203
61339	14	2.717	10.886	61411	13	3.815	20.598					61563	10	4.412	6.721	61635	26	4.888	12.342
61340	12	7.842	10.520	61412	9	10.178	20.470					61564	10	13.813	6.603	61636	34	6.562	12.746
61341	8	11.284	10.522	61413	10	10.773	20.806					61565*	113	14.999	6.400	61637	27	11.660	12.842
61342	9	15.538	10.394	61414	27	14.586	20.516					61566	33	15.125	6.400	61638	26	19.045	12.668
61343	36	16.205	10.297	61415	26	15.465	20.863					61567	13	15.247	6.994	61639	23	19.444	12.112
61344	8	16.613	10.544	61416	20	18.238	20.992					61568	13	17.603	6.122	61640	10	20.770	12.762
61345	18	20.237	10.676	61417	10	19.595	20.880					61569	26						

61649	41	9-766	14-636	61721	25	10-244	20-534	61793	21	18-560	25-210	61844	13	13-280	4-178	61916*	37	6-225	10-010
61650	12	16-655	14-809	61722*	160	12-902	20-689	61794	12	20-714	25-971	61845	12	17-414	4-722	61917	24	7-483	10-101
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61658	27	2-645	15-728	61730	12	5-895	21-053					61853	25	10-694	5-412	61925	13	13-564	10-586
61659	27	14-798	15-656	61731	10	13-026	21-248					61854	12	11-706	5-574	61926	15	16-400	10-800
61660	15	17-640	15-642	61732	10	16-402	21-894					61855	13	12-063	5-443	61927	21	17-215	10-666
61661	17	19-786	15-830	61733	15	18-225	21-078					61856	22	13-740	5-720	61928	11	17-540	10-641
61662	11	20-179	15-474	61734	10	19-160	21-781					61857*	87	13-880	5-674	61929	12	19-780	10-821
61663	11	20-810	15-220	61735	10	19-799	21-756					61858	16	17-572	5-665	61930	23	21-245	10-698
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61665*	120	23-410	15-421	61737	12	0-681	22-572					61860	17	20-040	5-748	61932	16	24-570	10-084
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61672	10	19-100	16-952	61744	19	12-516	22-900					61867	31	15-702	6-686	61939	13	13-080	11-282
61673	11	21-200	16-402	61745	25	14-772	22-159					61868	12	15-706	6-862	61940	11	13-455	11-350
61674	12	21-879	16-380	61746	10	15-149	22-593					61869	25	17-596	6-590	61941	10	15-310	11-880
61675	27	22-850	16-195	61747	22	17-312	22-188					61870	14	18-630	6-136	61942*	77	15-336	11-495
61676	26	22-870	16-590	61748	41	20-510	22-170					61871	13	20-880	6-536	61943	24	15-451	11-044
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61681	16	14-840	17-724	61753	30	3-572	23-058					61876	18	24-388	6-370	61948	11	18-529	11-228
61682	12	16-930	17-598	61754	15	7-436	23-396					61877	29	24-744	6-880	61949	15	19-206	11-486
61683	11	20-162	17-993	61755	15	8-084	23-836					61878	12	5-455	7-114	61950	25	19-271	11-451
61684	10	21-800	17-121	61756	23	8-349	23-968					61879	19	6-970	7-912	61951	15	20-570	11-069
61685	19	22-485	17-450	61757	13	9-884	23-620					61880	17	7-218	7-958	61952	10	21-320	11-172
61686	34	23-642	17-158	61758	11	17-024	23-522					61881	14	8-110	7-386	61953	35	22-116	11-975
61687	10	0-218	18-650	61759	11	17-464	23-331					61882	10	9-638	7-358	61954	11	22-370	11-636
61688	10	1-944	18-341	61760	16	17-911	23-242					61883	10	10-480	7-298	61955	24	5-462	12-351
61689	14	3-226	18-280	61761	12	19-256	23-546					61884*	46	12-840	7-092	61956	12	6-910	12-380
61690	22	3-948	18-659	61762	30	19-675	23-693					61885	12	19-886	7-710	61957	12	6-963	12-401
61691	31	5-826	18-740	61763	12	24-374	23-584					61886	24	20-713	7-498	61958	14	9-160	12-055
61692	12	7-380	18-571	61764	37	25-276	23-101					61887	19	22-793	7-422	61959	16	12-346	12-310
61693	15	9-635	18-744	61765	10	1-064	24-298					61888	16	25-106	7-840	61960	16	13-877	12-732
61694	10	9-950	18-545	61766	29	3-691	24-470					61889	11	25-348	7-490	61961	25	15-564	12-060
61695	10	13-414	18-415	61767	28	4-615	24-220					61890	25	25-659	7-998	61962	25	20-844	12-157
61696*	46	15-790	18-452	61768	13	5-622	24-084					61891	15	3-514	8-582	61963	11	20-986	12-559
61697	10	18-617	18-118	61769	31	7-194	24-016					61892	15	3-978	8-591	61964	19	4-588	13-278
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61699	32	21-186	18-386	61771	14	9-182	24-354					61894	23	4-460	8-362	61966	15	5-472	13-776
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61701	28	5-542	19-438	61773*	35	18-250	24-445					61896	12	14-504	8-953	61968	34	8-172	13-440
61702	34	7-535	19-896	61774	10	18-368	24-078					61897	14	20-450	8-764	61969	24	11-708	13-750
61703	10	10-102	19-322	61775*	44	20-132	24-940					61898	11	21-730	8-524	61970	11	13-093	13-859
61704	31	10-260	19-792	61776	35	0-852	25-157					61899	13	22-020	8-200	61971	16	14-984	13-836
61705	22	10-954	19-138	61777	10	1-100	25-180					61900	10	22-334	8-584	61972	10	16-186	13-969
61706	22	11-068	19-776	61778	30	1-198	25-464					61901	11	22-801	8-871	61973	27	17-882	13-744
61707	29	16-982	19-107	61779	18	1-798	25-680					61902	33	23-332	8-796	61974	12	22-155	13-734
61708	13	18-550	19-396	61780	16	2-244	25-282					61903	15	25-084	8-724	61975	10	22-726	13-506
61709*	60	18-891	19-709	61781	32	2-810	25-444					61904	15	25-141	8-377	61976	37	22-786	13-287
61710	27	19-140	19-520	61782	11	4-660	25-600					61905	47	25-926	8-141	61977	28	22-904	13-031
61711	24	23-191	19-702	61783	12	4-770	25-948					61906	10	6-750	9-558	61978	44	23-722	13-756
61712	29	23-289	19-977	61784	33	7-114	25-285					61907	11	10-031	9-132	61979	18	2-330	14-292
61713	15	25-076	19-111	61785	11	8-934	25-210					61908	31	13-038	9-605	61980	11	5-994	14-323
61714*	46	25-538	19-900	61786	18	11-414	25-974					61909	16	15-382	9-932	61981	10	9-070	14-821
61715	10	1-219	20-086	61787	13	12-206	25-255					61910	20	15-404	9-118	61982	12	11-720	14-082
61716	27	1-598	20-592	61788	10	13-460	25-620					61911	30	16-614	9-302	61983	12	12-216	14-152
61717	28	5-325	20-297	61789	25	14-931	25-363					61912	22	18-343	9-				

61988	22	0.572	15.946	62060	24	23.810	19.258	62132	10	15.435	24.415	62188	14	3.156	7.905	62260*	39	22.666	24.150
61989*	109	1.986	15.667	62061	15	24.881	19.068	62133	35	18.022	24.419	62189	20	8.556	7.630	62261	23	1.840	25.044
61990*	32	3.061	15.060	62062	25	1.962	20.223	62134	34	22.422	24.932	62190*	34	8.998	7.488	62262	21	7.058	25.574
61991	12	6.786	15.890	62063*	52	4.206	20.100	62135	12	2.758	25.484	62191	24	0.831	8.721	62263	11	24.548	25.949
61992	34	8.660	15.666	62064	11	4.220	20.640	62136*	44	3.156	25.284	62192	42	3.419	8.050				
61993	23	9.000	15.248	62065*	38	6.980	20.749	62137	15	15.688	25.704	62193*	40	4.330	8.962				
61994	33	13.336	15.506	62066	14	10.742	20.855	62138*	46	17.296	25.100	62194*	37	10.894	8.694				
61995	23	22.032	15.920	62067	29	10.970	20.690	62139	11	18.182	25.592	62195	12	15.764	8.777				
61996	16	25.264	15.868	62068	20	11.828	20.924	62140	17	19.436	25.408	62196	28	23.390	8.506				
61997	11	0.483	16.654	62069	11	14.049	20.280	62141	19	19.974	25.894	62197	27	7.066	9.230				
61998	22	1.450	16.450	62070	27	19.975	20.330	62142	25	20.264	25.158	62198	25	3.916	10.588				
61999	20	1.477	16.846	62071	19	20.358	20.736	62143	16	24.213	25.290	62199*	80	13.636	10.530				
62000	13	9.410	16.218	62072	11	23.990	20.100	62144	30	24.232	25.122	62200	22	15.354	10.124				
62001	12	9.576	16.494	62073	18	24.426	20.006					62201	16	17.440	10.806				
62002	11	9.924	16.230	62074	15	24.830	20.340					62202	16	18.668	10.357				
62003*	45	10.487	16.780	62075	10	25.478	20.288					62203	11	20.343	10.570				
62004	18	11.148	16.354	62076	20	4.996	21.676					62204	9	21.445	10.878				
62005	22	13.663	16.859	62077	11	5.814	21.481					62205	17	23.836	10.454				
62006	21	15.770	16.345	62078	12	6.552	21.665					62206*	66	10.860	11.374				
62007	27	16.646	16.180	62079*	46	11.398	21.488					62207*	55	15.914	11.695				
62008	25	17.424	16.555	62080	15	14.480	21.280					62208*	24	20.964	11.290				
62009	38	19.350	16.056	62081	24	15.104	21.550					62209	10	22.110	11.176				
62010	14	20.706	16.748	62082	11	15.628	21.531					62210*	30	24.960	11.904				
62011*	41	21.240	16.774	62083	25	15.680	21.616					62211	16	0.432	12.960				
62012	17	21.720	16.784	62084	28	17.465	21.400					62212	16	16.340	12.504				
62013	20	22.430	16.220	62085	17	19.486	21.805					62213*	45	18.169	12.200				
62014*	140	24.408	16.507	62086	32	21.590	21.046					62214	13	22.133	12.820				
62015	11	25.364	16.920	62087*	45	21.870	21.638					62215	27	0.315	13.216				
62016	12	25.550	16.200	62088	10	21.926	21.727					62216	37	1.250	13.678				
62017	18	1.110	17.713	62089	29	21.995	21.113					62217*	26	8.804	13.514				
62018	31	2.260	17.398	62090	23	2.066	22.487					62218*	27	8.930	13.169				
62019	11	4.684	17.725	62091	10	2.403	22.754					62219*	41	20.388	13.202				
62020	10	9.834	17.478	62092	10	2.935	22.386					62220	17	20.856	13.250				
62021	12	11.568	17.541	62093	25	4.832	22.102					62221	22	23.045	13.364				
62022	29	14.291	17.222	62094	13	5.030	22.817					62222	27	25.505	13.268				
62023*	39	14.864	17.380	62095	23	6.518	22.510					62223	26	14.450	14.399				
62024	18	15.184	17.939	62096	13	10.580	22.792					62224*	142	1.946	16.424				
62025	12	17.542	17.172	62097	31	12.744	22.120					62225*	33	4.003	16.892				
62026	13	20.697	17.414	62098	10	19.056	22.770					62226	14	21.672	16.598				
62027	12	20.908	17.861	62099*	41	20.336	22.324					62227	11	22.075	16.652				
62028*	84	22.278	17.240	62100	12	21.140	22.611					62228*	142	9.030	17.350				
62029	17	23.700	17.008	62101	19	21.554	22.076					62229*	25	22.402	17.776				
62030	10	23.970	17.206	62102	25	21.985	22.849					62230	12	25.530	17.320				
62031	19	5.080	18.183	62103	20	22.194	22.186					62231	18	0.354	18.450				
62032	24	7.040	18.003	62104	47	22.740	22.265					62232	21	4.092	18.880				
62033*	42	8.866	18.011	62105	14	23.080	22.785					62233*	33	7.621	18.624				
62034	14	9.321	18.220	62106	38	23.145	22.320					62234	28	11.478	18.684				
62035	11	10.134	18.800	62107	13	25.274	22.000					62235	21	22.633	18.218				
62036	11	10.170	18.920	62108	10	3.116	23.808					62236*	53	23.340	18.480				
62037	11	13.334	18.268	62109	32	4.009	23.309					62237	12	1.380	19.180				
62038	14	15.785	18.966	62110*	62	6.726	23.506					62238	34	4.350	19.746				
62039	22	16.190	18.638	62111	12	9.874	23.320					62239*	45	7.540	19.297				
62040	10	16.588	18.021	62112	10	10.860	23.436					62240	15	9.359	19.298				
62041	13	17.842	18.410	62113	23	12.468	23.571					62241	13	17.808	19.878				
62042*	45	19.576	18.185	62114	13	14.618	23.590					62242*	70	5.716	20.476				
62043	10	20.904	18.719	62115	10	15.650	23.136					62243*	62	18.290	20.170				
62044	17	20.964	18.164	62116*	53	15.910	23.195					62244	18	6.416	21.224				
62045	28	22.791	18.522	62117*	40	16.189	23.016					62245	15	12.210	21.032				
62046	14	23.898	18.671	62118	10	18.090	23.520					62246	34	0.324	22.195				
62047	20	1.860	19.950	62119	29	19.177	23.134					62247	28	0.731	22.250				
62048	15	3.730	19.324	62120	14	19.930	23.998					62248*	54	4.173	22.860				
62049	32	7.406	19.976	62121	28	22.520	23.367					62249	16	4.298	22.396				
62050	11	7.458	19.895	62122*	72	22.994	23.775					62250	14	9.670	22.116				
62051	11	8.366	19.385	62123	14	24.766	23.536					62251	13	16.644	22.348				
62052	29	12.036	19.212	62124	20	7.366	24.120					62252	28	24.790	22.882				
62053	33	13.769	19.184	62125	12	7.844	24.050					62253	16	0.115	23.300				
62054	25	15.626	19.750	62126	20	10.020	24.420					62254*	54	0.582	23.700				
62055	10	15.856	19.564	62127*	65	11.010	24.314					62255	13	12.942	23.862				
62056	28	16.350	19.504	62128*	46	12.218	24.525					62256*	45	23.392	23.092				
62057	25	19.210	19.398	62129*	52	12.475	24.992					62257	23	0.030	24.866				
62058	18	20.064	19.690	62130	20	14.900	24.015					62258	11	14.810	24.816				
62059	24	21.805	19.046	62131*	44	15.223	24.086					62259	12	17.550	24.960				

R.A. 16^h 12^m

Plate 1989; 1922 May 24.

Provisional Constants.

A B C
 - 01753 + 00976 - 0995
 D E F
 - 00977 - 01765 + 1460
 Mag. = 16.1 - 0.96√d

R.A. 16^h 4^m

Plate 1980; 1922 May 20.

Provisional Constants.

A B C
 - 01777 + 00635 - 4892
 D E F
 - 00634 - 01749 - 3174
 Mag. = 15.7 - 0.96√d

No.	d	x	y
62151	25	0.713	0.872
62152	13	7.056	0.500
62153	16	8.026	0.400
62154	28	13.834	0.200
62155	21	18.251	0.864

62347	8	21-177	3-525	62419	18	2-115	10-128	62491	11	0-554	18-850	62556	9	3-914	0-674	62628	24	12-068	5-334
62348	10	1-230	4-984	62420	8	10-950	10-960	62492*	34	1-220	18-370	62557	10	4-804	0-196	62629	24	12-142	5-474
62349	29	5-132	4-401	62421	37	11-580	10-598	62493	34	1-456	18-807	62558	8	5-406	0-078	62630	10	13-402	5-107
62350	11	5-811	4-719	62422	8	13-730	10-670	62494*	43	5-194	18-862	62559	9	6-190	0-444	62631	35	16-611	5-424
62351	23	6-464	4-020	62423	16	14-482	10-725	62495	38	8-932	18-816	62560	11	8-250	0-287	62632*	45	17-735	5-021
62352	23	7-860	4-789	62424	15	15-834	10-620	62496*	110	21-838	18-260	62561	19	8-815	0-172	62633	15	19-128	5-900
62353	25	9-820	4-392	62425	19	18-062	10-850	62497	19	1-540	19-060	62562	71	9-525	0-716	62634	25	8-660	6-704
62354	12	10-824	4-660	62426	24	0-144	11-485	62498*	53	2-163	19-056	62563	14	15-300	0-120	62635	9	11-785	6-573
62355	33	12-038	4-991	62427	24	0-815	11-774	62499	15	4-084	19-780	62564	45	15-804	0-004	62636	14	12-032	6-580
62356	11	17-464	4-798	62428	30	2-527	11-022	62500	31	10-198	19-753	62565	16	16-775	0-926	62637	27	17-212	6-962
62357*	37	18-675	4-224	62429	21	3-252	11-825	62501	33	15-176	19-805	62566	9	19-150	0-671	62638	10	2-096	7-328
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62360	15	3-309	5-191	62432	39	7-410	11-764	62504	34	7-249	20-851	62569	11	24-622	0-448	62641	12	15-849	7-870
62361	37	3-610	5-797	62433*	52	8-291	11-800	62505	26	9-465	20-846	62570	10	24-704	0-992	62642	21	17-252	7-244
62362	33	3-717	5-386	62434*	48	8-295	11-412	62506*	39	11-875	20-039	62571	15	0-741	1-173	62643	8	18-440	7-272
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62364	37	4-172	5-954	62436	16	9-484	11-924	62508	18	4-386	21-721	62573	30	9-936	1-780	62645	12	22-918	7-050
62365	12	5-626	5-344	62437*	66	9-861	11-191	62509	25	10-298	21-276	62574	9	11-890	1-763	62646	12	24-735	7-257
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62371*	46	20-596	5-119	62443	16	3-561	12-668	62515*	32	17-925	22-764	62580	10	0-723	2-963	62652	10	19-720	8-250
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62375	11	24-526	5-522	62447	21	9-338	12-304	62519	38	3-690	23-432	62584	14	6-358	2-950	62656	10	13-460	9-218
62376*	44	24-621	5-660	62448	37	11-415	12-346	62520	15	4-552	23-554	62585*	43	6-700	2-339	62657	11	14-998	9-380
62377	15	0-186	6-069	62449	10	11-924	12-410	62521	26	7-018	23-840	62586	17	7-314	2-740	62658	10	15-584	9-841
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62380*	35	2-334	6-652	62452	27	0-866	13-417	62524	10	0-328	24-292	62589	18	11-172	2-070	62661	27	4-698	10-126
62381	41	2-938	6-182	62453	32	1-788	13-946	62525*	60	1-585	24-738	62590	31	11-510	2-520	62662	11	6-616	10-098
62382	12	3-115	6-580	62454	15	3-764	13-038	62526	12	5-016	24-680	62591	11	11-914	2-361	62663	12	8-598	10-965
62383	17	4-427	6-573	62455	38	4-244	13-808	62527	31	9-490	24-053	62592	17	12-835	2-515	62664	27	18-374	10-601
62384	28	4-799	6-168	62456	25	6-064	13-804	62528*	50	10-894	24-314	62593	24	23-407	2-128	62665	8	24-080	10-986
62385	28	4-952	6-445	62457*	55	11-380	13-918	62529	22	11-012	24-251	62594	19	23-494	2-926	62666*	82	3-965	11-354
62386	12	5-429	6-367	62458*	44	13-750	13-232	62530*	34	15-800	24-535	62595	18	23-526	2-959	62667	15	8-784	11-750
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62388	13	8-860	6-436	62460	33	15-426	13-556	62532	41	7-160	25-698	62597	11	6-230	3-552	62669	11	13-433	11-797
62389*	39	13-260	6-418	62461	18	15-558	13-380	62533*	106	8-690	25-013	62598	12	6-333	3-922	62670	14	13-943	11-139
62390	8	17-926	6-322	62462	10	15-830	13-552	62534	22	10-452	25-751	62599	26	9-046	3-050	62671	15	14-536	11-480
62391	19	21-210	6-414	62463	11	4-785	14-650	62535	47	18-460	26-000	62600	15	10-582	3-464	62672	26	17-980	11-798
62392	16	3-294	7-304	62464	16	9-572	14-860					62601	9	10-635	3-624	62673	19	20-688	11-798
62393	10	4-000	7-605	62465	16	10-890	14-121					62602	22	14-789	3-601	62674	13	11-074	12-326
62394*	50	6-628	7-638	62466	14	11-625	14-235					62603	11	16-472	3-097	62675	11	16-396	12-795
62395	10	8-664	7-876	62467	30	13-039	14-700					62604	23	20-685	3-158	62676	29	6-405	13-696
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62401*	31	18-524	7-542	62473	24	3-128	16-081					62610	13	6-196	4-903	62682	22	22-881	13-762
62402	28	0-922	8-744	62474	12	4-310	16-430					62611	13	7-750	4-393	62683	32	1-716	14-557
62403	12	1-806	8-072	62475	28	4-938	16-601					62612	31	12-715	4-034	62684	10	2-462	14-304
62404	10	3-177	8-331	62476	33	5-487	16-412					62613	25	16-109	4-920	62685	26	4-665	14-063
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62406	18	8-516	8-786	62478	31	23-049	16-360					62615	34	23-905	4-201	62687	8	20-099	14-868
62407*	68	10-820	8-970	62479	29	0-470	17-202					62616	12	24-285	4-015	62688	10	21-624	14-646
62408*	40	12-384	8-689	62480	28	0-875	17-250					62617	10	25-450	4-584	62689	9	22-277	14-988
62409	32	15-324	8-348	62481	23	2-116	17-240					62618	12	1-577	5-932	62690*	51	7-730	15-906
62410	12	15-704	8-344	62482	11	2-935	17-555					62619	18	1-675	5-155	62691	12	10-136	15-422
62411	34	2-047	9-084	62483	10	3-968	17-140					62620	23	2-319	5-458	62692*	110	10-994	15-419
62412	11																		

62700	12	11-260	17-020	62789	33	17-832	6-758	62861	14	25-932	15-182	62956	15	16-994	1-876	63028	9	15-087	10-158
62701	8	15-812	17-706	62790	15	21-646	6-883	62862	10	25-276	16-656	62957	24	18-810	1-935	63029	23	16-650	10-012
62702	9	3-192	18-546	62791	11	22-244	6-770	62863	23	5-420	17-880	62958	12	25-180	1-240	63030	22	16-917	10-813
62703	13	7-589	18-314	62792	12	25-552	6-708	62864	11	21-430	17-732	62959	25	6-819	2-039	63031	19	17-126	10-634
62704	10	11-127	18-090	62793	8	0-795	7-245	62865	17	21-832	17-374	62960	20	13-342	2-941	63032	40	20-132	10-203
62705	19	13-522	18-560	62794	12	2-616	7-436	62866	10	22-986	17-882	62961	31	16-192	2-538	63033	20	0-760	11-823
62706	31	15-059	18-531	62795	47	6-054	7-689	62867	9	24-093	17-941	62962	12	23-808	2-537	63034	8	6-028	11-106
62707	25	4-764	19-286	62796	48	12-156	7-986	62868	8	25-030	17-288	62963	10	24-438	2-452	63035	10	14-606	11-472
62708	22	11-204	19-184	62797	19	14-296	7-857	62869	16	9-284	18-340	62964	33	25-168	2-232	63036	30	14-646	11-581
62709	16	12-687	22-070	62798	23	14-862	7-158	62870	14	14-110	18-836	62965	40	2-414	3-758	63037	10	17-549	11-012
62710	25	25-342	22-620	62799	12	14-901	7-076	62871	21	19-081	18-302	62966	17	14-526	3-443	63038	55	18-013	11-798
62711	23	25-931	22-070	62800	17	19-236	7-055	62872	8	19-225	18-035	62967	28	21-220	3-489	63039	10	19-306	11-444
<div>R.A. 16^h 28^m</div> <div>Plate 2515; 1928 Feb. 28.</div> <div>Provisional Constants.</div> <div>A B C</div> <div>+00040 +00805 -4764</div> <div>D E F</div> <div>-00811 +00048 -2993</div> <div>Mag.=16.1-0.96√d</div>				62801	23	20-280	7-082	62873	14	20-798	18-564	62968	13	0-411	4-114	63040	30	20-480	11-255
				62802	40	0-791	8-285	62874	28	16-955	19-840	62969	9	7-467	4-570	63041	8	21-988	11-324
				62803	28	4-352	8-630	62875	10	21-088	19-984	62970	26	13-973	4-960	63042	16	23-980	11-446
				62804	8	5-674	8-550	62876	19	8-560	20-356	62971	16	14-265	4-384	63043	24	25-933	11-490
				62805	10	5-936	8-639	62877	12	11-708	20-920	62972	22	14-642	4-912	63044	25	1-878	12-400
				62806	10	7-636	8-691	62878	11	15-306	20-196	62973	18	18-590	4-018	63045	29	4-426	12-144
				62807	27	10-032	8-100	62879	33	15-808	20-962	62974	68	19-282	4-642	63046	20	4-483	12-477
				62808	9	12-399	8-504	62880	16	16-444	20-270	62975	24	20-612	4-808	63047	12	7-218	12-606
				62809	10	12-838	8-744	62881	9	19-522	20-583	62976	23	21-598	4-694	63048	9	8-290	12-160
				62810	12	19-851	8-472	62882	9	19-874	20-064	62977	11	22-464	4-762	63049	22	12-394	12-284
<div>R.A. 16^h 36^m</div> <div>Plate 2060; 1923 Mar. 19.</div> <div>Provisional Constants.</div> <div>A B C</div> <div>-01764 +01219 +1585</div> <div>D E F</div> <div>-01291 -01772 -0662</div> <div>Mag.=15.4-0.96√d</div>				62811	8	22-350	8-844	62883	10	20-115	20-179	62978	10	22-983	4-737	63050	21	12-775	12-274
				62812	68	24-594	8-829	62884	8	21-201	20-930	62979	18	8-140	5-820	63051	10	13-177	12-722
				62813	10	3-090	9-718	62885	11	21-679	20-350	62980	10	8-926	5-632	63052	10	13-212	12-987
				62814	9	4-625	9-476	62886	10	22-472	20-700	62981	19	15-494	5-120	63053	8	13-271	12-990
				62815	19	7-935	9-436	62887	13	23-196	20-589	62982	13	15-910	5-843	63054	9	14-229	12-122
				62816	17	9-142	9-693	62888	13	15-460	21-237	62983	16	16-243	5-092	63055	26	15-612	12-924
				62817	19	12-408	9-010	62889	45	18-899	21-910	62984	17	17-808	5-006	63056	24	21-140	12-576
				62818	12	12-708	9-068	62890	17	19-481	21-356	62985	13	21-440	5-508	63057	75	21-574	12-434
				62819	10	16-268	9-500	62891	9	16-793	22-232	62986	8	25-185	5-482	63058	16	23-849	12-636
				62820	10	5-189	10-773	62892	19	17-260	22-600	62987	49	25-230	5-898	63059	11	25-297	12-116
<div>No. d x y</div> <div>62751 9 2-436 0-626</div> <div>62752 9 15-631 0-112</div> <div>62753 8 23-916 0-762</div> <div>62754 9 2-520 1-170</div> <div>62755 14 9-278 1-935</div> <div>62756 13 13-655 1-122</div> <div>62757 28 21-518 1-686</div> <div>62758 23 1-234 2-318</div> <div>62759 20 1-330 3-115</div> <div>62760 16 1-364 3-149</div> <div>62761 45 1-860 3-371</div> <div>62762 9 2-086 3-090</div> <div>62763 18 10-135 3-266</div> <div>62764 19 21-984 3-760</div> <div>62765 48 24-031 3-432</div> <div>62766 32 1-754 4-386</div> <div>62767 10 2-134 4-196</div> <div>62768 13 7-299 4-782</div> <div>62769 33 16-330 4-638</div> <div>62770 13 16-432 4-399</div> <div>62771 11 18-054 4-602</div> <div>62772 11 18-590 4-032</div> <div>62773 13 19-588 4-764</div> <div>62774 10 24-144 4-726</div> <div>62775 15 4-276 5-918</div> <div>62776 17 9-584 5-806</div> <div>62777 11 13-016 5-815</div> <div>62778 42 14-575 5-162</div> <div>62779 24 15-300 5-675</div> <div>62780 9 15-498 5-300</div> <div>62781 10 16-053 5-684</div> <div>62782 20 16-260 5-139</div> <div>62783 10 19-226 5-620</div> <div>62784 25 21-834 5-762</div> <div>62785 15 22-209 5-265</div> <div>62786 9 6-300 6-413</div> <div>62787 8 6-659 6-484</div> <div>62788 10 15-844 6-936</div>				62821	24	5-855	10-614	62893	32	20-456	22-045	62988	14	0-298	6-084	63060	21	1-416	13-324
				62822	9	12-500	10-571	62894	25	11-064	23-528	62989	10	3-967	6-952	63061	9	1-975	13-090
				62823	32	21-026	10-130	62895	11	12-602	23-871	62990	13	6-956	6-858	63062	39	2-766	13-407
				62824	12	25-100	10-097	62896	15	15-174	23-620	62991	8	10-981	6-848	63063	20	8-127	13-793
				62825	19	25-818	10-181	62897	15	15-418	23-919	62992	23	13-490	6-780	63064	12	8-434	13-898
				62826	25	7-298	11-756	62898	14	17-796	23-550	62993	32	13-683	6-760	63065	10	10-290	13-666
				62827	30	9-358	11-726	62899	62	25-112	23-720	62994	13	14-368	6-128	63066	25	13-676	13-564
				62828	20	15-210	11-606	62900	34	11-076	24-736	62995	16	14-778	6-062	63067	21	14-320	13-672
				62829	11	21-722	11-292	62901	11	13-832	24-826	62996	19	22-132	6-701	63068	33	17-192	13-460
				62830	31	22-202	11-612	62902	12	18-170	24-310	62997	9	24-337	6-050	63069	10	18-829	13-650
<div>No. d x y</div> <div>62951 30 8-788 0-393</div> <div>62952 18 9-754 0-160</div> <div>62953 8 14-919 0-960</div> <div>62954 21 18-057 0-875</div> <div>62955 32 15-643 1-144</div>				62831	9	22-224	11-750	62903	28	3-420	25-790	62998	18	8-228	7-494	63070	15	21-212	13-721
				62832	10	6-780	12-938	62904	15	4-006	25-234	62999	10	9-684	7-300	63071	19	22-342	13-622
				62833	12	7-391	12-524	62905	69	12-215	25-560	63000	8	10-624	7-742	63072	8	24-632	13-432
				62834	10	8-339	12-931					63001	14	13-276	7-983	63073	21	2-720	14-130
				62835	10	9-250	12-592					63002	15	14-818	7-204	63074	19	3-258	14-720
				62836	9	13-930	12-159					63003	10	16-436	7-400	63075	12	3-603	14-523
				62837	34	23-330	12-220					63004	69	17-556	7-150	63076	44	10-946	14-100
				62838	16	23-414	12-924					63005	10	19-932	7-883	63077	14	13-710	14-632
				62839	10	24-972	12-718					63006	10	11-378	8-158	63078	8	19-910	14-942
				62840	35	25-928	12-004					63007	22	12-100	8-253	63079	8	21-526	14-900
<div>No. d x y</div> <div>62951 30 8-788 0-393</div> <div>62952 18 9-754 0-160</div> <div>62953 8 14-919 0-960</div> <div>62954 21 18-057 0-875</div> <div>62955 32 15-643 1-144</div>				62841	26	25-980	12-344					63008	8	13-920	8-143	63080	20	25-692	14-865
				62842	13	0-826	13-960												

3100	14	5.840	18.086	63173	11	11.755	1.370	63245	11	10.280	6.385	63317	11	23.170	11.680	63389	18	22.410	20.678
3101	24	6.324	18.734	63174	42	14.930	1.194	63246	13	11.679	6.116	63318	15	1.618	12.916	63390	20	2.960	21.348
3102	12	7.042	18.468	63175	12	14.970	1.410	63247*	28	13.524	6.287	63319	15	3.060	12.386	63391	22	5.585	21.987
3103	14	8.316	18.644	63176	12	18.988	1.670	63248	13	13.577	6.935	63320	14	4.212	12.624	63392*	51	12.969	21.302
3104	10	11.635	18.240	63177	10	20.392	1.206	63249	20	14.810	6.164	63321	22	5.786	12.052	63393	13	17.080	21.235
3105*	29	14.364	18.252	63178	16	21.546	1.405	63250	24	15.734	6.130	63322	25	5.836	12.817	63394*	26	17.157	21.210
3106*	34	15.600	18.690	63179	14	1.490	2.817	63251	10	15.747	6.456	63323	22	12.694	12.838	63395	10	18.730	21.381
3107	10	17.462	18.100	63180	15	2.120	2.729	63252	15	18.632	6.765	63324*	31	21.921	12.542	63396	20	21.371	21.602
3108	17	18.063	18.304	63181*	40	2.844	2.504	63253	12	25.592	6.184	63325	16	23.784	12.220	63397	15	21.770	21.584
3109	16	20.615	18.620	63182	11	3.452	2.845	63254	11	3.500	7.250	63326	10	24.900	12.406	63398	22	25.980	21.878
3110	10	19.908	19.762	63183	18	4.698	2.308	63255	13	4.060	7.679	63327	15	24.938	12.255	63399	18	4.120	22.432
3111	9	25.840	19.657	63184	12	5.956	2.002	63256	25	5.867	7.166	63328	16	25.661	12.344	63400*	65	6.472	22.032
3112*	33	5.762	20.056	63185	24	7.980	2.755	63257	24	7.816	7.534	63329	18	0.116	13.916	63401	12	8.975	22.730
3113	8	6.605	20.704	63186	18	10.250	2.075	63258	20	9.502	7.341	63330	12	2.405	13.708	63402	15	11.914	22.255
3114	13	7.226	20.278	63187	24	14.000	2.689	63259	22	10.295	7.134	63331	20	4.660	13.955	63403*	40	14.173	22.685
3115*	47	8.482	20.878	63188	24	17.593	2.484	63260*	53	10.340	7.144	63332	11	7.406	13.364	63404	11	15.932	22.478
3116	10	9.092	20.552	63189*	40	18.053	2.529	63261*	34	10.850	7.568	63333	12	8.456	13.892	63405*	36	18.514	22.434
3117	8	10.450	20.208	63190	12	21.710	2.398	63262	11	13.667	7.090	63334*	40	12.040	13.390	63406	13	22.376	22.365
3118	15	11.850	20.712	63191*	29	23.178	2.518	63263	10	14.064	7.163	63335	10	12.194	13.820	63407*	40	24.051	22.259
3119*	24	21.246	20.510	63192	13	25.304	2.654	63264	16	14.678	7.254	63336	22	17.914	13.625	63408	10	24.285	22.913
3120	11	5.120	21.144	63193	10	0.400	3.845	63265	15	15.384	7.279	63337	12	19.330	13.492	63409	26	12.395	23.256
63121	10	7.068	21.390	63194	28	6.020	3.825	63266*	32	17.822	7.904	63338	16	21.310	13.994	63410	20	18.884	23.445
63122	14	11.314	21.146	63195	24	8.752	3.736	63267*	29	19.649	7.230	63339	10	21.462	13.466	63411	20	19.104	23.405
63123	26	15.982	21.585	63196	17	10.105	3.512	63268	14	21.260	7.026	63340	10	22.166	13.783	63412	12	19.146	23.866
63124	19	25.118	21.076	63197	10	13.575	3.990	63269	20	23.160	7.690	63341	20	22.606	13.174	63413	20	19.978	23.440
63125*	40	18.643	22.200	63198	10	13.690	3.045	63270	19	23.214	7.306	63342	12	23.120	13.326	63414	12	9.910	24.593
63126*	47	3.819	23.657	63199	13	15.595	3.636	63271	21	23.318	7.926	63343	10	1.624	14.622	63415	18	15.546	24.950
63127	23	19.744	24.492	63200	14	17.209	3.796	63272	11	23.587	7.420	63344	10	2.745	14.634	63416	12	16.426	24.846
				63201	15	17.249	3.456	63273	10	0.510	8.480	63345	16	7.666	14.598	63417	10	19.420	24.287
				63202*	32	17.630	3.502	63274	10	0.704	8.462	63346	15	18.545	14.776	63418*	44	20.402	24.506
				63203	12	19.383	3.255	63275	11	1.744	8.978	63347	21	18.585	14.746	63419*	31	20.630	24.390
				63204	16	22.536	3.250	63276	13	1.881	8.734	63348	14	18.815	14.423	63420	22	21.483	24.880
				63205	10	2.385	4.244	63277	10	3.447	8.615	63349	20	19.688	14.924	63421*	28	23.283	24.128
				63206	10	2.946	4.076	63278	14	3.865	8.098	63350*	35	20.198	14.207	63422	17	23.946	24.222
				63207	22	4.690	4.716	63279	13	8.303	8.109	63351	12	23.402	14.672	63423	22	7.728	25.455
				63208	20	5.635	4.183	63280	15	9.576	8.795	63352	20	24.785	14.560	63424	11	9.227	25.500
				63209	17	6.022	4.576	63281	12	9.984	8.426	63353	20	25.755	14.703	63425	17	9.645	25.255
				63210	10	7.090	4.086	63282	15	10.088	8.364	63354	11	0.650	15.578	63426	13	13.099	25.198
				63211	25	7.169	4.160	63283	18	15.545	8.224	63355	26	2.966	15.810	63427	10	17.194	25.168
				63212	12	7.232	4.345	63284	10	20.711	8.798	63356	22	3.480	15.130	63428	19	18.462	25.795
				63213*	37	7.470	4.875	63285	10	20.807	8.654	63357	13	4.465	15.935	63429	11	19.870	25.208
				63214	12	12.111	4.340	63286	23	23.904	8.090	63358	11	9.888	15.894	63430	18	19.948	25.178
				63215	17	13.160	4.906	63287	30	25.416	8.826	63359*	46	12.456	15.842	63431	10	21.645	25.253
				63216	11	13.425	4.288	63288	10	6.912	9.157	63360	20	18.568	15.289	63432	15	22.555	25.287
				63217	12	14.826	4.093	63289	11	9.016	9.209	63361	12	24.340	15.172	63433	14	23.666	25.286
				63218	17	17.384	4.414	63290	20	11.871	9.252	63362	22	1.025	16.776				
				63219	20	18.126	4.218	63291	19	13.084	9.540	63363	12	2.085	16.909				
				63220	12	18.760	4.802	63292	10	14.393	9.044	63364*	44	2.801	16.124				
				63221	24	19.526	4.980	63293	12	16.233	9.995	63365	18	14.900	16.145				
				63222	14	0.166	5.054	63294	18	16.775	9.981	63366	12	21.945	16.706				
				63223	13	0.684	5.025	63295	14	17.172	9.973	63367	22	23.070	16.750				
				63224	14	2.891	5.755	63296*	63	18.026	9.502	63368	12	23.957	16.076				
				63225	12	4.234	5.607	63297	16	18.095	9.845	63369	80	25.585	16.676				
				63226	12	4.692	5.430	63298	12	10.365	10.318	63370	25	10.945	17.112				
				63227	24	4.875	5.950	63299	11	10.381	10.494	63371	14	17.422	17.816				
				63228	20	7.730	5.306	63300	15	11.866	10.336	63372	30	17.730	17.342				
				63229*	31	8.931	5.633	63301	10	12.985	10.084	63373	32	19.005	17.296				
				63230	11	10.771	5.470	63302	28	14.655	10.147	63374	11	19.672	17.235				
				63231	14	12.448	5.340	63303	12	15.117	10.285	63375	13	20.548	17.940				
				63232	15	12.690	5.670	63304	26	23.855	10.898	63376	19	21.101	17.680				
				63233	20	12.780	5.980	63305	14	24.888	10.678	63377	10	5.096	18.982				
				63234	20	13.855	5.395	63306	10	25.400	10.430	63378	18	17.740	18.597				
				63235	22	14.925	5.986	63307	10	1.207	11.926	63379	22	17.871	18.570				
				63236	14	16.928	5.130	63308	10	1.365	11.932	63380	12	17.895	18.636				
				63237	15	19.255	5.120	63309	18	1.736	11.726	63381	14	3.669	19.924				
				63238	11	21.156	5.166	63310	25	3.690	11.755	63382*	28	4.948	19.245				
				63239	18	23.266	5.810	63311	12	4.669	11.961	63383	18	21.745	19.252				
				63240	12	25.704	5.620	63312	29	11.664	11.747	63384	25	23.101	19.055				
				63241	15	2.048	6.326	63313	13	12.846	11.904	63385	10	3.326	20.614				
				63242*	60	2.934	6.168	63314*	30	13.618	11.294	633							

63456	29	11-156	0-974	63528	25	5-226	6-906	63600*	30	20-381	12-507	63672	14	15-926	17-006	63744	22	4-530	21-801
63457	20	11-169	0-981	63529	8	6-584	6-845	63601*	11	22-770	12-410	63673*	31	16-470	17-042	63745	10	5-670	21-080
63458	32	12-680	0-467	63530	12	6-716	6-703	63602	10	23-916	12-920	63674	24	16-986	17-435	63746	18	8-064	21-548
63459	10	13-964	0-692	63531*	23	8-069	6-908	63603	25	24-480	12-105	63675*	35	19-340	17-560	63747	10	9-414	21-482
63460	25	13-970	0-385	63532*	31	8-980	6-710	63604	9	24-548	12-063	63676	10	21-250	17-082	63748	9	9-998	21-570
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63465	29	15-951	0-739	63537	11	13-200	6-707	63609*	32	4-508	13-620	63681	20	24-379	17-788	63753	8	20-859	21-208
63466	9	16-612	0-410	63538*	21	16-079	6-648	63610	35	8-790	13-050	63682	11	24-386	17-760	63754	10	21-517	21-040
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				63909	14	6-666	7-173	63981*	34	21-029	11-132	64053	17	12-634	15-814	64125*	45	6-336	18-080
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				63938	17	20-234	9-158	64010	12	9-101	13-411	64082	27	24-670	16-621	64154	10	6-294	19-028
				63939	33	22-597	9-753	64011	17	10-268	13-141	64083	24	24-808	16-203	64155	10	6-752	19-770
				63940	33	0-839	10-399	64012	21	10-989	13-823	64084	31	25-260	16-584	64156	23	7-257	19-062
				63941	10	5-024	10-784	64013	16	11-746	13-549	64085	17	25-866	16-084	64157	30	8-538	19-934
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				63943	10	7-132	10-276	64015*	47	19-208	13-503	64087	27	1-998	17-410	64159	37	10-228	19-705
				63944	10	7-177	10-834	64016	12	20-510	13-122	64088	13	2-980	17-524	64160*	44	10-562	19-230
				63945	27	7-630	10-442	64017	14	21-195	13-199	64089	16	3-470	17-988	64161	11	10-704	19-298
				63946	20	7-848	10-106	64018	12	1-204	14-530	64090	14	4-080	17-657	64162	17	13-182	19-380
				63947	12	7-949	10-842	64019*	47	1-828	14-200	64091	10	4-844	17-458	64163	10	13-458	19-240
				63948*	30	9-076	10-276	64020	10	2-050	14-294	64092	10	5-410	17-148	64164	30	14-200	19-568
				63949	10	9-330	10-478	64021	10	2-056	14-288	64093	12	6-380	17-149	64165	10	14-562	19-472
				63950	30	11-958	10-765	64022	10	2-094	14-038	64094	22	6-823	17-896	64166	11	17-482	19-102
				63951	10	12-287	10-262	64023	13	2-804	14-730	64095	16	7-451	17-885				

64172	21	22.642	19.058	64244	34	23.179	21.676	64316	21	9.492	24.140	R.A. 17^h 8^m Plate 2212; 1925 Mar. 22 <i>Provisional Constants.</i> A B C +.00066 +.00973 -.8826 D E F -.00989 +.00052 -.3123 $Mag. = 16.0 - 0.96\sqrt{d}$	64456	25	9.080	6.332
64173	34	22.708	19.165	64245	10	23.584	21.637	64317	16	9.758	24.213		64457	12	9.796	6.146
64174*	33	23.972	19.186	64246	10	24.410	21.126	64318	21	10.177	24.086		64458	36	10.380	6.280
64175	23	0.562	20.154	64247	27	24.430	21.039	64319	10	10.380	24.340		64459*	50	12.363	6.100
64176	16	1.200	20.636	64248	33	24.524	21.590	64320	10	10.530	24.514		64460	10	19.266	6.068
64177	10	1.238	20.040	64249	17	2.391	22.254	64321	14	10.732	24.160		64461*	40	20.659	6.641
64178	12	2.190	20.209	64250	16	4.668	22.296	64322	11	10.946	24.928		64462*	34	22.641	6.410
64179	10	2.338	20.634	64251	10	5.354	22.366	64323	25	11.945	24.582		64463	17	23.290	6.100
64180	10	2.788	20.726	64252	10	5.920	22.152	64324	10	13.240	24.924		64464	12	23.870	6.680
64181	19	3.420	20.790	64253	14	7.010	22.235	64325	10	13.269	24.380		64465	14	24.574	6.608
64182	24	4.774	20.234	64254	27	7.631	22.264	64326	18	13.689	24.050	No. d x y 64401 32 1.272 0.250 64402 10 4.962 0.070 64403 35 14.829 0.017 64404 23 16.195 0.541 64405 10 17.090 0.166 64406 11 17.810 0.220 64407 12 21.852 0.010 64408 13 23.276 0.500 64409 22 0.141 1.439 64410 13 5.060 1.440 64411* 39 5.256 1.160 64412 17 6.270 1.088 64413 10 9.402 1.560 64414 15 10.200 1.000 64415 18 11.794 1.754 64416 10 12.772 1.252 64417 29 15.564 1.680 64418 23 16.625 1.358 64419* 43 18.584 1.214 64420 23 23.062 1.640 64421 10 2.725 2.274 64422 10 5.590 2.330 64423 10 5.762 2.253 64424 30 6.657 2.858 64425 19 7.836 2.700 64426 28 8.428 2.218 64427 10 11.796 2.646 64428 10 13.419 2.136 64429 10 18.578 2.646 64430 21 23.385 2.298 64431 32 24.220 2.270 64432 35 0.288 3.988 64433 13 5.125 3.335 64434* 42 5.433 3.019 64435 17 7.592 3.120 64436 8 17.347 3.576 64437 21 22.980 3.958 64438 10 0.678 4.504 64439 10 7.245 4.220 64440 23 12.616 4.446 64441 25 14.714 4.177 64442 24 15.502 4.439 64443* 45 20.434 4.795 64444 25 2.184 5.108 64445 17 10.870 5.558 64446* 40 11.768 5.228 64447 27 25.594 5.550 64448 8 1.882 6.103 64449 13 4.432 6.894 64450 18 7.404 6.804 64451 10 7.429 6.430 64452 25 7.841 6.143 64453 14 7.926 6.552 64454 21 8.980 6.436 64455 24 9.000 6.594	64466	8	1.368	7.540
64183	17	5.718	20.969	64255	10	7.864	22.866	64327	13	14.020	24.089		64467*	39	2.448	7.433
64184	27	6.013	20.800	64256	20	8.382	22.560	64328*	33	14.397	24.030		64468	24	4.504	7.211
64185	10	6.750	20.245	64257	10	9.202	22.532	64329	21	16.092	24.421		64469	15	8.354	7.340
64186	10	8.812	20.826	64258	9	9.350	22.560	64330	12	16.788	24.130		64470	9	12.925	7.478
64187	11	10.018	20.578	64259	16	10.160	22.329	64331	14	17.420	24.714		64471	28	15.487	7.475
64188	19	12.539	20.016	64260	29	12.085	22.882	64332	12	17.420	24.395		64472	14	24.187	7.196
64189	10	12.555	20.078	64261	12	12.626	22.240	64333	10	17.575	24.808		64473	33	25.083	7.140
64190	13	13.162	20.646	64262*	33	12.705	22.540	64334	12	17.856	24.239		64474	47	25.725	7.706
64191	10	13.886	20.746	64263	10	13.280	22.150	64335	13	17.920	24.991		64475	17	1.326	8.575
64192	14	14.210	20.140	64264	10	13.991	22.694	64336	10	17.976	24.234		64476	11	4.686	8.541
64193	10	14.220	20.137	64265	12	14.852	22.574	64337	12	19.180	24.010		64477	20	6.975	8.700
64194	27	14.500	20.150	64266	11	14.968	22.668	64338	10	21.453	24.175		64478	19	9.750	8.058
64195	10	15.570	20.016	64267	12	15.152	22.998	64339*	43	23.132	24.420		64479	11	14.423	8.281
64196	24	16.563	20.200	64268	10	16.536	22.152	64340	14	23.200	24.519		64480	16	18.275	8.640
64197	32	16.625	20.039	64269	19	17.205	22.968	64341	25	24.760	24.536		64481	21	18.394	8.190
64198	12	17.544	20.508	64270	10	17.899	22.796	64342	12	0.449	25.059		64482	24	19.105	8.010
64199	15	17.548	20.110	64271	10	18.190	22.966	64343	30	1.038	25.112		64483	8	19.110	8.047
64200	10	20.480	20.861	64272	16	19.209	22.068	64344	24	4.778	25.080		64484	17	20.757	8.531
64201	12	21.226	20.214	64273	24	19.209	22.442	64345	14	4.802	25.190		64485	21	22.880	8.035
64202	30	23.100	20.729	64274	14	19.388	22.109	64346	27	5.343	25.100		64486	15	23.002	8.492
64203	11	24.003	20.326	64275*	40	19.716	22.628	64347	48	5.517	25.436		64487	8	23.031	8.478
64204	10	24.280	20.300	64276*	48	20.230	22.554	64348	36	6.015	25.905		64488	19	25.571	8.600
64205	31	0.394	21.547	64277	12	21.169	22.050	64349	14	6.229	25.448		64489	10	2.650	9.124
64206*	36	1.116	21.120	64278	10	21.178	22.369	64350	24	6.428	25.733		64490	10	4.922	9.290
64207	26	2.245	21.280	64279*	44	23.218	22.820	64351	28	6.550	25.620		64491	32	6.360	9.288
64208	25	2.958	21.702	64280	10	24.579	22.412	64352	18	7.025	25.846		64492	23	8.118	9.452
64209	14	3.020	21.001	64281	13	25.804	22.176	64353	52	8.090	25.423		64493	20	8.528	9.739
64210	16	3.390	21.836	64282	16	0.466	23.930	64354	21	8.346	25.141		64494	8	8.788	9.782
64211	12	3.724	21.666	64283	12	3.098	23.238	64355	22	10.136	25.031		64495	30	9.140	9.652
64212	10	4.584	21.860	64284	10	4.376	23.683	64356	32	10.215	25.760		64496	8	9.966	9.748
64213	10	4.725	21.320	64285	15	4.935	23.455	64357	10	10.730	25.470		64497	29	11.138	9.660
64214	28	5.239	21.450	64286	11	5.244	23.752	64358	10	11.223	25.570		64498	21	11.490	9.646
64215	20	6.898	21.594	64287	15	5.570	23.948	64359	12	12.792	25.590		64499	27	15.530	9.502
64216	10	7.388	21.618	64288	10	6.036	23.158	64360	25	13.672	25.160		64500	18	16.002	9.306
64217	10	7.558	21.101	64289	11	6.294	23.078	64361	14	13.900	25.806		64501	27	17.463	9.754
64218	14	7.939	21.953	64290	10	6.775	23.078	64362	27	14.578	25.402		64502	27	19.935	9.384
64219	17	8.160	21.018	64291	21	7.886	23.106	64363	29	14.703	25.602		64503	21	24.320	9.212
64220	11	9.474	21.102	64292	28	7.918	23.503	64364	23	17.218	25.030		64504	35	0.500	10.066
64221	10	9.666	21.807	64293	10	8.132	23.488	64365	38	18.035	25.190		64505	28	0.684	10.353
64222	29	10.010	21.175	64294	17	9.580	23.425	64366	12	18.070	25.006		64506	13	0.884	10.335
64223	24	10.858	21.544	64295	10	9.856	23.478	64367	26	18.170	25.592		64507	9	2.508	10.634
64224	10	11.630	21.870	64296	13	11.024	23.660	64368	21	18.875	25.894		64508	19	5.252	10.834
64225	10	12.074	21.678	64297	10	11.123	23.050	64369	26	18.972	25.420		64509	10	5.470	10.798
64226	12	12.218	21.311	64298	17	11.154	23.365	64370	16	20.220	25.078		64510	12	7.024	10.420
64227	27	12.930	21.612	64299	13	12.150	23.280	64371	15	21.012	25.630		64511*	78	7.666	10.260
64228	33	13.373	21.344	64300	19	14.321	23.254	64372	18	22.424	25.494		64512	20	8.130	10.552
64229*	37	13.773	21.471	64301	11	14.650	23.572	64373	22	23.680	25.092		64513	15	8.272	10.298
64230	25	13.804	21.946	64302	15	16.367	23.090	64374	12	23.860	25.084		64514	14	9.472	10.410
64231*	30	13.950	21.756	64303	21	16.986	23.618	64375	24	24.270	25.400		64515	20	10.624	10.242
64232	14	15.844	21.715	64304	18	17.072	23.668	64376	28	24.459	25.454		64516	33	11.038	10.850
64233*	31	17.577	21.590	64305	34	21.839	23.012						64517*	32	16.635	10.684
64234	15	18.484	21.438	64306*	34	1.320	24.413						64518	19	21.521	10.870
64235	10	18.510	21.820	64307	11	1.410	24.613						64519	10	21.940	10.386

64528	8	9.690	11.910	64600	31	8.903	15.103	64672*	35	1.419	18.150	64744	9	12.890	21.822	64816*	34	4.422	25.160
64529	33	10.200	11.396	64601	12	9.775	15.159	64673	8	2.317	18.926	64745	12	13.720	21.810	64817	15	5.352	25.514
64530	15	14.861	11.120	64602	10	11.030	15.236	64674	23	3.525	18.690	64746	11	13.934	21.920	64818	10	7.243	25.344
64531	12	15.195	11.298	64603	12	12.009	15.689	64675	20	3.990	18.075	64747	33	15.824	21.766	64819	34	8.615	25.860
64532	11	15.200	11.492	64604	13	12.241	15.326	64676	10	5.546	18.440	64748	17	16.371	21.008	64820	13	9.429	25.630
64533	12	15.656	11.348	64605	26	12.274	15.158	64677	13	6.898	18.950	64749	13	18.071	21.465	64821	13	9.952	25.578
64534	12	16.879	11.099	64606	30	12.284	15.725	64678	33	8.415	18.708	64750	17	20.928	21.269	64822	24	10.360	25.360
64535	14	17.888	11.818	64607	14	13.221	15.305	64679	11	10.346	18.920	64751	11	20.944	21.700	64823	12	10.718	25.416
64536	32	24.210	11.419	64608	27	13.560	15.435	64680	8	10.740	18.132	64752	21	21.762	21.400	64824	19	12.330	25.740
64537	11	25.676	11.093	64609	8	14.892	15.428	64681	10	11.172	18.372	64753	21	22.378	21.704	64825	22	13.706	25.642
64538	31	1.156	12.784	64610	15	15.745	15.269	64682	14	11.338	18.194	64754	23	24.640	21.061	64826	22	19.251	25.824
64539	36	1.411	12.704	64611	8	16.554	15.550	64683	14	11.431	18.098	64755	39	1.284	22.194	64827	18	20.089	25.806
64540	10	1.790	12.542	64612	16	23.070	15.840	64684	20	11.656	18.904	64756	34	2.653	22.084				
64541	10	3.510	12.482	64613	22	1.960	16.012	64685	9	12.742	18.354	64757	13	3.970	22.660				
64542	17	3.512	12.149	64614	25	2.854	16.596	64686	13	20.190	18.062	64758	9	5.801	22.672				
64543	24	8.136	12.266	64615	32	3.322	16.976	64687	33	22.721	18.828	64759	17	6.150	22.290				
64544	20	9.378	12.184	64616	14	3.376	16.008	64688*	31	24.016	18.840	64760	13	8.394	22.367				
64545	12	9.849	12.685	64617	14	3.788	16.052	64689	33	24.592	18.493	64761	8	8.394	22.196				
64546	12	10.490	12.621	64618	18	3.932	16.458	64690	19	24.596	18.732	64762	29	8.990	22.703				
64547	10	13.670	12.820	64619	21	4.125	16.589	64691	23	25.799	18.868	64763	11	9.396	22.582				
64548	14	13.874	12.882	64620	27	4.239	16.904	64692	22	0.700	19.537	64764	14	10.946	22.371				
64549	22	14.480	12.374	64621	25	5.589	16.260	64693	38	0.764	19.644	64765	18	11.928	22.714				
64550	10	19.574	12.748	64622	12	5.650	16.770	64694*	36	2.052	19.646	64766	30	13.016	22.676				
64551	11	20.470	12.564	64623	14	8.496	16.812	64695	14	2.302	19.382	64767	24	13.325	22.111				
64552	20	20.492	12.221	64624	25	8.906	16.815	64696	10	2.833	19.116	64768	8	13.838	22.308				
64553	31	20.609	12.944	64625	15	10.038	16.244	64697	8	4.375	19.130	64769	22	15.744	22.900				
64554	10	1.826	13.208	64626	13	10.302	16.430	64698	27	5.364	19.739	64770	20	17.393	22.747				
64555	13	5.254	13.718	64627*	25	11.285	16.254	64699	25	6.532	19.516	64771*	27	17.576	22.218				
64556	12	6.307	13.340	64628	10	12.464	16.646	64700*	34	6.671	19.540	64772*	30	20.240	22.580				
64557	12	6.655	13.878	64629*	33	13.586	16.340	64701*	32	7.865	19.159	64773*	47	1.342	23.360				
64558	30	7.000	13.120	64630	32	14.248	16.667	64702*	33	8.340	19.201	64774*	38	5.334	23.908				
64559	16	7.192	13.795	64631	10	18.509	16.417	64703	9	9.276	19.540	64775	19	8.594	23.500				
64560*	38	7.294	13.111	64632	11	20.622	16.005	64704	16	10.081	19.916	64776	10	8.950	23.917				
64561	20	7.400	13.721	64633	33	20.988	16.320	64705	33	13.046	19.506	64777	10	9.124	23.806				
64562	30	8.356	13.538	64634	11	21.329	16.683	64706	19	13.728	19.464	64778*	37	10.051	23.384				
64563	35	8.583	13.376	64635	17	22.884	16.189	64707	11	13.965	19.835	64779	19	10.061	23.813				
64564	8	9.070	13.512	64636	29	24.420	16.058	64708	10	15.256	19.259	64780	30	10.742	23.865				
64565*	37	10.418	13.946	64637*	32	0.924	17.576	64709	19	15.908	19.385	64781*	45	11.468	23.780				
64566	10	10.420	13.368	64638	14	1.036	17.060	64710	10	15.973	19.479	64782*	24	12.755	23.473				
64567	19	10.482	13.340	64639	14	1.527	17.925	64711	24	16.312	19.479	64783	19	14.062	23.304				
64568	27	10.834	13.782	64640	17	1.972	17.970	64712	10	18.710	19.032	64784*	59	14.276	23.890				
64569*	44	11.143	13.390	64641	21	2.724	17.024	64713	22	19.452	19.910	64785	23	14.685	23.456				
64570	23	11.720	13.181	64642*	40	3.080	17.684	64714	29	22.979	19.553	64786	24	15.734	23.044				
64571	31	12.749	13.995	64643	13	3.952	17.855	64715	32	23.592	19.432	64787	10	15.834	23.255				
64572	10	14.195	13.464	64644	38	4.130	17.620	64716	11	2.106	20.808	64788	10	17.150	23.602				
64573	27	15.836	13.596	64645	8	4.731	17.180	64717	10	2.384	20.780	64789	14	24.728	23.464				
64574	27	18.466	13.323	64646	33	5.115	17.666	64718	12	7.136	20.436	64790	47	25.620	23.189				
64575	24	19.300	13.734	64647	20	7.380	17.380	64719	13	7.228	20.350	64791	43	25.780	23.400				
64576	12	21.278	13.148	64648	9	8.206	17.903	64720	15	7.440	20.829	64792*	43	1.280	24.990				
64577	28	22.830	13.908	64649	12	8.624	17.081	64721	18	9.085	20.510	64793	11	3.488	24.696				
64578	33	23.112	13.149	64650	14	8.630	17.069	64722	8	9.483	20.858	64794	10	4.644	24.492				
64579	10	0.469	14.984	64651	20	8.695	17.087	64723	8	10.416	20.070	64795	12	5.118	24.355				
64580	13	0.632	14.728	64652	10	9.736	17.058	64724	8	11.188	20.871	64796	21	5.565	24.669				
64581	12	2.701	14.922	64653*	35	9.830	17.095	64725	10	12.466	20.211	64797	12	6.204	24.130				
64582	13	5.446	14.014	64654	11	10.998	17.652	64726	32	15.358	20.042	64798	12	9.086	24.966				
64583	28	7.864	14.651	64655*	39	11.091	17.169	64727	17	16.236	20.300	64799	21	9.996	24.830				
64584	21	8.660	14.154	64656	15	11.484	17.552	64728	21	16.241	20.280	64800	10	10.480	24.440				
64585	13	8.836	14.379	64657	34	12.064	17.132	64729	10	17.469	20.776	64801	31	11.395	24.349				
64586	13	9.810	14.638	64658	31	12.214	17.072	64730*	41	18.907	20.440	64802	22	12.092	24.614				
64587	36	10.900	14.466	64659	26	13.804	17.871	64731	13	24.228	20.132	64803	19	12.860	24.680				
64588	17	12.690	14.008	64660	8	14.330	17.361	64732	11	0.706	21.910	64804	20	13.301	24.520				
64589	8	14.427	14.280	64661	19	16.199	17.937	64733	11	1.180	21.570	64805	33	13.650	24.968				
64590	26	14.564	14.440	64662	10	18.310	17.144	64734	31	1.190	21.230	64806	12	13.922	24.663				
64591	27	15.620	14.696	64663	10	18.320	17.134	64735	28	2.550	21.525	64807	19	15.060	24.715				
64592	8	21.274	14.930	64664	9	20.632	17.818	64736	10	6.616	21.334	64808*	80	23.376	24.070				
64593	15	21.379	14.926	64665	10	20.960	17.898	64737	10	8.124	21.090	64809	12	24.432	24.692				
64594	13	25.426	14.424	64666	12	21.284	17.763	64738	10	8.865	21.264	64810	13	1.356	25.090				
64595	13	4.224	15.408	64667	16	23.220	17.392	64739	12	9.463	21.230	64811	29	1.851	25.666				
64596	9	4.378	15.880	64668	10	23.328													

64887	19	2.258	6.308	64959	13	11.022	12.090	65031*	35	21.232	18.127	R.A. 17 ^h 24 ^m Plate 2516; 1928 Mar. 2. Provisional Constants. A B C +00077 +01075 -5797 D E F -01122 +00057 -2581 Mag.=16.4-0.96√d	65156	17	25.380	4.060
64888	10	2.833	6.871	64960	10	14.756	12.624	65032	20	2.104	19.520		65157	13	7.714	5.735
64889	14	3.524	6.794	64961	11	16.466	12.077	65033	22	2.706	19.396		65158	19	15.335	5.540
64890	9	3.622	6.367	64962	26	17.753	12.496	65034	9	4.646	19.626		65159	21	15.566	5.829
64891	16	6.036	6.356	64963	10	0.362	13.248	65035	19	8.200	19.622		65160	23	17.910	5.176
64892	27	6.482	6.286	64964	22	1.894	13.981	65036	22	9.673	19.999		65161	39	20.180	5.764
64893*	32	7.755	6.266	64965	26	2.162	13.230	65037*	33	11.243	19.336		65162	36	20.290	5.385
64894	27	11.548	6.903	64966	11	6.540	13.439	65038	10	11.634	19.592		65163	10	21.555	5.835
64895	17	12.714	6.973	64967*	42	10.539	13.251	65039	23	13.337	19.100		65164	11	21.656	5.764
64896	10	13.694	6.674	64968	18	15.006	13.494	65040	11	13.834	19.427		65165	19	5.450	6.286
64897	12	13.765	6.955	64969	20	16.242	13.962	65041	8	14.168	19.406	65166	33	5.722	6.444	
64898	10	14.234	6.436	64970	24	21.182	13.384	65042	23	14.499	19.970	65167	31	8.268	6.196	
64899*	47	15.526	6.376	64971*	53	23.961	13.384	65043	9	14.983	19.053	65168	24	8.746	6.664	
64900	18	15.709	6.163	64972	11	0.479	14.996	65044	25	16.315	19.086	65169*	43	8.778	6.630	
64901	9	16.144	6.418	64973	11	4.453	14.460	65045*	36	19.528	19.794	65170	15	10.427	6.391	
64902	14	3.152	7.372	64974	10	5.338	14.905	65046	12	3.339	20.078	65171	27	23.420	6.428	
64903	26	4.032	7.308	64975	10	7.606	14.118	65047	19	4.753	20.983	65172	27	24.534	6.214	
64904*	43	4.664	7.858	64976	25	7.614	14.812	65048	13	8.416	20.104	65173	17	25.231	6.478	
64905*	32	7.482	7.802	64977	9	10.249	14.788	65049	23	11.422	20.132	65174	16	25.666	6.307	
64906	10	12.840	7.142	64978	10	13.524	14.516	65050	22	12.572	20.469	65175	25	5.020	7.793	
64907*	49	14.766	7.783	64979	13	14.913	14.528	65051*	36	12.710	20.920	65176	10	5.358	7.643	
64908*	32	14.954	7.124	64980	9	15.214	14.899	65052*	25	14.233	20.994	65177	34	7.596	7.050	
64909	27	20.260	7.093	64981	14	2.154	15.877	65053	9	17.682	20.433	65178	12	8.866	7.634	
64910	16	1.874	8.211	64982	21	6.835	15.578	65054	11	21.585	20.470	65179	30	12.185	7.131	
64911	10	2.006	8.660	64983	14	9.299	15.588	65055	10	0.109	21.230	65180	17	15.589	7.544	
64912	20	4.526	8.740	64984	23	12.318	15.259	65056	8	0.129	21.654	65181	13	19.768	7.928	
64913	10	10.912	8.484	64985	23	13.162	15.658	65057	14	0.931	21.350	65182	11	21.576	7.398	
64914*	61	12.557	8.358	64986	23	17.969	15.032	65058	13	1.538	21.639	65183	11	21.975	7.965	
64915	13	13.048	8.675	64987	11	19.699	15.100	65059	10	7.974	21.922	65184*	54	22.238	7.450	
64916	11	13.253	8.702	64988	12	19.916	15.114	65060	17	10.701	21.632	65185	12	22.290	7.212	
64917	11	15.821	8.215	64989	18	20.805	15.420	65061*	32	10.794	21.121	65186	12	24.086	7.240	
64918	28	16.574	8.688	64990	9	21.733	15.407	65062	11	14.890	21.592	65187	10	24.485	7.603	
64919*	48	19.564	8.990	64991	12	24.548	15.300	65063*	33	16.068	21.820	65188	25	0.410	8.630	
64920	25	19.605	8.999	64992	8	25.486	15.334	65064	10	16.537	21.032	65189	10	7.832	8.338	
64921*	33	20.970	8.970	64993	10	25.632	15.880	65065	31	18.079	21.524	65190	16	13.262	8.842	
64922	11	21.750	8.110	64994	29	0.110	16.370	65066*	71	18.573	21.284	65191	14	24.828	8.946	
64923	17	23.029	8.344	64995	8	0.450	16.726	65067	11	19.103	21.893	65192	16	25.063	8.272	
64924	19	3.302	9.354	64996	12	1.974	16.220	65068	10	21.050	21.288	65193	10	0.491	9.440	
64925	11	5.050	9.579	64997	23	3.480	16.071	65069*	37	21.112	21.317	65194	11	10.051	9.134	
64926	14	6.638	9.794	64998	10	6.264	16.448	65070*	44	24.168	21.883	65195	23	11.169	9.792	
64927	26	6.714	9.613	64999	8	8.152	16.548	65071	11	24.194	21.846	65196	19	11.300	9.961	
64928	9	7.200	9.564	65000	23	12.214	16.799	65072	32	8.465	22.198	65197	10	19.612	9.491	
64929	17	7.586	9.518	65001	9	19.450	16.694	65073	22	15.010	22.362	65198	30	20.464	9.692	
64930	9	10.298	9.380	65002	15	19.784	16.368	65074	30	17.728	22.329	65199	34	21.673	9.920	
64931	13	10.405	9.780	65003	24	20.668	16.568	65075	11	18.290	22.812	65200	17	21.909	9.495	
64932*	38	12.026	9.814	65004	21	21.855	16.846	65076*	46	20.728	22.366	65201	28	23.711	9.570	
64933	14	14.568	9.889	65005	10	0.105	17.920	65077*	75	2.541	23.950	65202	15	24.104	9.135	
64934	20	16.427	9.768	65006	9	0.420	17.784	65078	14	3.866	23.344	65203	10	2.070	10.436	
64935	14	16.557	9.750	65007	13	2.317	17.398	65079*	44	4.736	23.060	65204	12	4.945	10.745	
64936	23	17.074	9.163	65008	8	2.428	17.847	65080*	41	4.896	23.267	65205	32	8.945	10.926	
64937	13	18.386	9.295	65009	12	4.054	17.394	65081	27	7.303	23.430	65206	10	11.152	10.286	
64938	13	21.614	9.107	65010	24	5.306	17.639	65082	12	8.915	23.706	65207	12	12.218	10.936	
64939*	43	21.932	9.835	65011	16	5.524	17.205	65083	15	10.932	23.942	65208	23	13.444	10.975	
64940	9	0.979	10.532	65012	22	10.752	17.266	65084	9	14.802	23.642	65209	10	14.285	10.450	
64941	33	3.427	10.852	65013	8	10.988	17.261	65085*	37	15.284	23.665	65210	10	15.394	10.980	
64942	28	7.144	10.794	65014	19	11.107	17.094	65086	12	3.593	24.554	65211	10	15.399	10.776	
64943	28	10.550	10.464	65015	9	13.460	17.606	65087	12	8.698	24.678	65212	10	22.650	10.714	
64944*	52	11.765	10.422	65016	18	20.097	17.128	65088	14	8.948	24.261	65213	34	23.782	10.788	
64945	19	15.014	10.963	65017	10	22.824	17.160	65089	15	10.800	24.290	65214	10	25.945	10.140	
64946	9	16.732	10.177	65018	25	1.844	18.812	65090	11	13.932	24.626	65215	11	2.030	11.470	
64947	16	0.574	11.012	65019*	26	3.115	18.808	65091	9	16.480	24.156					

65228	47	22-780	11-412	65300	17	4-370	18-149	65372	21	9-534	25-080	65443	17	22-829	1-566	65515	22	13-492	5-292
65229	19	23-570	11-990	65301	15	11-239	18-790	65373	9	12-764	25-716	65444	53	24-274	1-795	65516	12	15-190	5-316
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65233	37	13-982	12-099	65305	13	16-216	18-866	65377	30	21-840	25-345	65448	10	2-414	2-084	65520	10	18-364	5-004
65234	30	16-253	12-188	65306	38	17-168	18-501					65449	40	5-000	2-008	65521	10	18-558	5-892
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65236	45	17-301	12-710	65308	10	25-394	18-330					65451	35	10-334	2-322	65523	16	20-589	5-794
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65247	10	15-881	13-376	65319	10	9-537	20-796					65462	49	4-778	3-816	65534	19	6-694	6-482
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65254	41	8-588	14-560	65326	23	13-470	21-883					65469	12	11-412	3-334	65541	10	12-512	6-718
65255	29	11-494	14-920	65327	80	14-682	21-752					65470	13	11-488	3-542	65542	10	12-790	6-637
65256	43	11-871	14-798	65328	22	16-533	21-115					65471	24	11-774	3-344	65543	42	14-742	6-458
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65284	12	19-878	16-041	65356	39	19-150	23-865					65499	19	19-264	4-952	65571	13	19-832	7-178
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65297	31	23-850	17-73																

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65596	10	19-802	8-896	65668*	48	22-992	11-784	65740	27	18-218	15-845	65812	24	4-675	18-350	65884*	44	8-594	21-072
65597	18	20-508	8-558	65669	14	23-751	11-440	65741	13	18-469	15-486	65813*	37	5-726	18-584	65885	19	9-624	21-036
65598	27	20-534	8-119	65670	13	23-997	11-245	65742	10	18-892	15-954	65814	14	6-481	18-764	65886	28	10-430	21-948
65599	23	20-950	8-750	65671	13	25-884	11-492	65743	11	19-847	15-748	65815	28	6-632	18-846	65887	13	11-626	21-500
65600	38	22-431	8-874	65672	38	0-573	12-052	65744	19	19-872	15-995	65816	10	6-828	18-974	65888	12	12-800	21-400
65601	12	22-639	8-530	65673	10	0-686	12-365	65745	16	20-813	15-290	65817	10	8-676	18-937	65889	27	13-012	21-336
65602	19	23-336	8-602	65674*	54	1-320	12-914	65746	22	21-230	15-510	65818	13	9-140	18-956	65890	10	13-690	21-403
65603	10	23-827	8-159	65675*	98	1-580	12-404	65747	10	21-331	15-542	65819*	43	10-733	18-862	65891	16	14-844	21-650
65604	10	24-050	8-778	65676	19	1-590	12-354	65748	29	25-014	15-084	65820	14	12-816	18-170	65892	15	15-616	21-788
65605	31	24-063	8-500	65677	16	6-442	12-804	65749	10	25-166	15-794	65821*	38	13-300	18-454	65893	25	16-650	21-174
65606	13	24-279	8-804	65678	26	7-433	12-172	65750	11	25-505	15-500	65822	14	14-234	18-300	65894	13	17-562	21-778
65607	10	25-044	8-566	65679	13	10-207	12-868	65751	28	1-324	16-131	65823	16	16-592	18-886	65895	11	18-964	21-784
65608	20	25-132	8-614	65680	11	12-124	12-329	65752	25	1-663	16-614	65824	30	18-299	18-440	65896	18	19-900	21-740
65609	10	0-738	9-526	65681	14	12-996	12-850	65753	25	3-000	16-480	65825	29	18-462	18-875	65897	22	25-276	21-136
65610	29	1-700	9-930	65682	13	13-290	12-194	65754	14	3-823	16-450	65826	26	20-063	18-111	65898	15	25-320	21-520
65611	19	2-094	9-490	65683	21	13-786	12-600	65755	11	4-758	16-038	65827	12	21-476	18-428	65899	10	0-838	22-736
65612	14	2-814	9-296	65684	16	15-428	12-260	65756	19	6-538	16-718	65828	17	22-349	18-592	65900	11	0-958	22-921
65613	21	5-810	9-600	65685	21	17-748	12-820	65757	10	8-238	16-735	65829	10	23-568	18-524	65901	32	1-109	22-166
65614	19	7-226	9-408	65686*	65	17-845	12-770	65758	28	9-317	16-893	65830	13	0-644	19-891	65902	28	4-217	22-524
65615	22	8-032	9-770	65687	12	18-086	12-279	65759	26	9-943	16-236	65831	17	2-190	19-680	65903	14	5-762	22-295
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65617	25	8-306	9-526	65689	17	20-612	12-968	65761	27	11-368	16-046	65833	11	4-900	19-501	65905	27	6-108	22-690
65618	16	9-092	9-295	65690	14	21-474	12-638	65762	10	11-714	16-159	65834*	46	5-710	19-480	65906	16	9-520	22-780
65619	45	9-966	9-717	65691	20	21-730	12-880	65763	17	11-826	16-477	65835	13	7-074	19-978	65907	25	9-850	22-724
65620	16	10-161	9-622	65692	14	23-134	12-069	65764*	75	11-914	16-690	65836	14	7-370	19-744	65908	12	10-732	22-894
65621	13	10-558	9-458	65693	12	23-738	12-864	65765	32	12-337	16-705	65837	38	8-200	19-400	65909	10	11-414	22-933
65622	19	12-263	9-050	65694	18	25-328	12-584	65766	23	13-620	16-774	65838	11	9-552	19-060	65910	33	11-782	22-628
65623*	41	13-300	9-140	65695	12	12-569	13-166	65767	11	15-434	16-502	65839	12	10-615	19-332	65911	12	12-930	22-600
65624	14	13-898	9-712	65696*	34	12-784	13-494	65768	11	20-452	16-816	65840	12	11-078	19-316	65912	14	13-018	22-141
65625	24	13-922	9-761	65697	31	14-710	13-220	65769	12	22-026	16-003	65841	16	11-585	19-021	65913	22	13-078	22-954
65626	10	16-953	9-346	65698	22	16-028	13-776	65770	10	22-574	16-560	65842	10	14-661	19-066	65914	20	13-614	22-174
65627	24	17-867	9-858	65699	12	16-399	13-634	65771	10	23-097	16-316	65843	15	15-002	19-013	65915	24	13-622	22-528
65628	14	18-746	9-091	65700	12	18-464	13-402	65772	19	24-226	16-332	65844	11	15-724	19-471	65916	19	14-022	22-166
65629	10	20-310	9-509	65701	13	18-639	13-309	65773	33	24-316	16-749	65845	17	16-842	19-420	65917	11	14-225	22-978
65630	22	20-340	9-315	65702	13	19-247	13-174	65774*	70	24-490	16-293	65846	10	20-205	19-544	65918	10	14-988	22-960
65631	12	20-552	9-400	65703	10	21-196	13-517	65775	25	0-552	17-285	65847	19	20-415	19-681	65919	22	15-726	22-765
65632	27	20-906	9-808	65704	12	21-365	13-664	65776	10	5-712	17-047	65848	36	20-674	19-528	65920	12	15-886	22-867
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65634	22	23-124	9-538	65706	11	24-974	13-850	65778	12	6-582	17-626	65850	26	3-156	20-600	65922	20	19-653	22-436
65635	22	23-444	9-642	65707	34	1-166	14-060	65779	30	6-680	17-764	65851	16	3-170	20-856	65923*	78	20-275	22-096
65636	23	25-857	9-566	65708*	46	1-827	14-840	65780	12	9-255	17-867	65852	10	3-386	20-098	65924	32	20-416	22-244
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65639	21	8-100	10-118	65711	22	5-950	14-118	65783	27	12-802	17-900	65855	25	7-462	20-437	65927*	51	0-395	23-817
65640	11	8-750	10-376	65712	31	7-951	14-557	65784	28	12-904	17-094	65856	10	7-865	20-431	65928	11	1-653	23-748
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65642	23	13-309	10-260	65714	28	10-156	14-841	65786*	42	15-858	17-797	65858	10	10-566	20-336	65930	15	2-864	23-151
65643	10	14-130	10-611	65715	10	11-306	14-298	65787	12	15-980	17-684	65859	38	10-606	20-378	65931	13	9-570	23-803
65644	22	14-610	10-690	65716*	55	13-454	14-520	65788	13	16-084	17-680	65860	14	13-125	20-192	65932	10	9-619	23-976
65645	10	15-767	10-419	65717	13	13-782	14-218	65789	21	17-069	17-363	65861	11	13-656	20-482	65933	19	9-702	23-743
65646	18	19-876	10-632	65718	10	13-920	14-177	65790	12	17-541	17-254	65862	14	15-083	20-270	65934	21	10-110	23-063
65647	13	20-749	10-040	65719	14	17-286	14-804	65791	18	18-068	17-346	65863	22	15-184	20-401	65935	10	12-441	23-351
65648	11	21-905	10-494	65720	12	17-727	14-801	65792	17	18-158	17-460	65864	10	16-211	20-274	65936	35	13-457	23

65947	12	6.224	24.342	66018	37	1.847	1.937	66090	11	25.070	4.829	66162	17	0.389	9.803	66234	10	3.086	12.512
65948	12	11.006	24.590	66019	16	3.600	1.659	66091	27	25.275	4.051	66163	16	0.860	9.559	66235*	35	6.786	12.564
65949	26	11.210	24.714	66020*	40	6.505	1.344	66092	10	0.934	5.031	66164	16	1.178	9.656	66236	10	9.138	12.061
65950*	60	14.592	24.533	66021	10	9.030	1.370	66093	10	1.958	5.722	66165	14	3.547	9.539	66237	28	12.470	12.988
65951	18	16.270	24.576	66022*	37	10.366	1.608	66094	13	5.410	5.080	66166*	40	6.596	9.200	66238	10	13.901	12.564
65952	19	16.728	24.980	66023	10	14.400	1.428	66095	10	5.660	5.890	66167	10	8.241	9.884	66239	12	15.026	12.000
65953	29	16.728	24.040	66024*	40	15.718	1.166	66096	10	6.602	5.642	66168	11	10.380	9.470	66240	10	16.051	12.753
65954	11	17.430	24.930	66025	9	16.586	1.949	66097	10	10.930	5.930	66169	36	13.074	9.910	66241	12	16.062	12.908
65955	16	18.934	24.894	66026	22	17.766	1.620	66098	34	11.672	5.972	66170	28	14.236	9.748	66242	12	18.648	12.875
65956	11	19.106	24.398	66027	34	18.264	1.848	66099	10	12.420	5.773	66171	12	14.270	9.852	66243	11	18.969	12.779
65957*	52	20.782	24.120	66028	34	18.624	1.464	66100	13	14.011	5.570	66172	18	14.392	9.883	66244	16	20.352	12.594
65958	10	21.038	24.695	66029	20	20.461	1.872	66101*	32	15.766	5.216	66173	30	15.131	9.444	66245	17	20.402	12.114
65959	10	21.066	24.218	66030	22	22.448	1.525	66102	10	16.726	5.494	66174	31	15.615	9.028	66246	22	21.059	12.337
65960	41	21.272	24.682	66031	14	25.331	1.696	66103*	66	16.978	5.808	66175	34	15.870	9.322	66247	10	22.306	12.720
65961	10	22.036	24.392	66032	8	0.257	2.384	66104	10	17.880	5.458	66176	16	16.431	9.250	66248	12	23.759	12.321
65962	14	25.444	24.408	66033	8	3.644	2.929	66105	15	21.136	5.980	66177	19	19.326	9.234	66249	11	5.189	13.900
65963	10	25.524	24.420	66034*	80	7.796	2.500	66106	13	21.803	5.802	66178	26	19.622	9.539	66250	23	6.070	13.222
65964	23	25.618	24.746	66035	18	9.365	2.662	66107	10	22.980	5.666	66179	18	19.778	9.724	66251	21	6.678	13.581
65965	30	0.014	25.726	66036	11	9.952	2.992	66108	15	25.210	5.064	66180	10	20.234	9.982	66252	10	7.453	13.380
65966	19	4.010	25.316	66037	11	11.484	2.323	66109	10	1.150	6.276	66181	10	22.440	9.984	66253	25	13.162	13.554
65967	11	6.088	25.870	66038	17	13.666	2.282	66110	25	4.640	6.908	66182	11	24.535	9.218	66254	11	14.774	13.683
65968	32	7.936	25.550	66039	10	13.752	2.874	66111*	37	5.164	6.280	66183	11	25.324	9.391	66255	12	16.478	13.999
65969	32	9.554	25.392	66040*	40	14.280	2.724	66112	11	5.390	6.886	66184	10	0.910	10.350	66256	24	18.338	13.099
65970	13	13.542	25.311	66041	17	14.446	2.872	66113	29	12.212	6.265	66185*	51	9.698	10.676	66257	30	19.480	13.939
65971	10	15.210	25.130	66042	29	15.673	2.272	66114	10	12.680	6.170	66186	12	11.226	10.666	66258	22	19.560	13.040
65972	19	16.314	25.116	66043	36	15.725	2.751	66115	11	13.730	6.044	66187	10	12.040	10.728	66259	10	21.060	13.712
65973	31	16.324	25.886	66044	33	17.118	2.439	66116	11	13.730	6.206	66188	10	12.342	10.480	66260*	57	23.726	13.500
65974	10	19.612	25.818	66045	14	17.129	2.446	66117	16	15.635	6.588	66189	16	14.497	10.444	66261	10	24.460	13.752
65975	39	19.750	25.731	66046*	40	17.169	2.374	66118	30	16.785	6.580	66190	10	15.037	10.569	66262	10	24.500	13.368
65976	23	23.431	25.154	66047	11	17.438	2.694	66119	35	19.084	6.680	66191	10	16.154	10.690	66263	36	24.755	13.441
65977	14	24.310	25.427	66048	10	20.104	2.560	66120	16	20.949	6.046	66192	10	16.361	10.340	66264	23	25.354	13.851
				66049	28	22.190	2.377	66121	13	0.854	7.505	66193	11	17.631	10.382	66265	10	25.790	13.946
				66050	18	24.814	2.082	66122	10	2.389	7.470	66194	28	18.108	10.783	66266	21	2.822	14.972
				66051*	43	1.168	3.940	66123	17	3.490	7.618	66195	13	19.750	10.154	66267	10	3.344	14.084
				66052	10	1.866	3.410	66124	10	10.478	7.753	66196	22	19.808	10.472	66268	26	3.915	14.650
				66053	10	2.014	3.233	66125	20	10.588	7.226	66197	12	20.094	10.892	66269	21	4.102	14.135
				66054	10	4.464	3.570	66126*	53	12.232	7.552	66198	10	20.522	10.540	66270	10	7.440	14.513
				66055	20	4.736	3.876	66127	21	13.850	7.852	66199	12	23.541	10.619	66271	13	8.470	14.639
				66056	10	6.331	3.130	66128	24	14.487	7.434	66200	11	23.550	10.189	66272	10	14.274	14.323
				66057*	40	6.993	3.558	66129	11	14.790	7.909	66201	27	0.451	11.490	66273	21	15.644	14.856
				66058	10	8.089	3.139	66130	32	15.909	7.402	66202*	34	0.770	11.770	66274	32	16.316	14.159
				66059	11	8.210	3.625	66131	27	17.428	7.154	66203	13	0.780	11.761	66275	10	18.051	14.703
				66060	24	11.896	3.663	66132	35	19.026	7.530	66204	11	1.516	11.415	66276*	66	18.644	14.708
				66061	11	17.800	3.900	66133	10	19.261	7.148	66205	12	1.752	11.220	66277	10	19.080	14.955
				66062	10	19.133	3.662	66134	23	22.490	7.404	66206	10	3.610	11.430	66278	12	20.775	14.978
				66063	13	19.144	3.450	66135	18	22.669	7.166	66207	10	3.974	11.234	66279	13	23.176	14.781
				66064	10	20.230	3.856	66136	10	23.434	7.670	66208*	31	7.128	11.149	66280*	35	23.212	14.221
				66065	10	22.284	3.848	66137	14	25.368	7.990	66209*	34	7.859	11.210	66281	10	23.576	14.052
				66066	10	1.048	4.144	66138	10	25.660	7.574	66210	10	8.040	11.829	66282	11	23.672	14.288
				66067	27	1.280	4.124	66139	12	25.760	7.422	66211*	29	8.386	11.362	66283	12	24.846	14.051
				66068*	44	3.115	4.584	66140	32	0.168	8.922	66212	10	11.121	11.530	66284	10	3.314	15.368
				66069	32	3.128	4.530	66141	12	1.054	8.640	66213	11	11.606	11.550	66285	10	4.882	15.030
				66070	18	4.450	4.526	66142	22	1.764	8.524	66214	14	13.426	11.428	66286	24	5.250	15.770
				66071	10	4.460	4.701	66143	12	1.980	8.819	66215	13	14.800	11.120	66287	23	6.762	15.740
				66072	19	5.480	4.386	66144	11	2.730	8.572	66216	10	15.796	11.433	66288	10	8.972	15.712
				66073	13	8.080	4.530	66145	16	2.816	8.616	66217	25	16.292	11.428	66289*	35	9.015	15.782
				66074	16	9.663	4.629	66146	10	11.300	8.312	66218	10	16.700	11.272	66290	10	11.052	15.988
				66075	15	12.508	4.393	66147	12	12.088	8.288	66219	10	17.224	11.132	66291	17	12.324	15.104
				66076	14	12.959	4.372	66148	14	12.827	8.248	66220*	48	17.232	11.629	66292	13	13.824	15.060
				66077	15	13.028	4.920	66149*	40	12.839	8.360	66221	12	18.475	11.588	66293	25	14.640	15.170
				66078	10	13.516	4.602	66150	13	12.852	8.248	66222	10	18.642	11.652	66294	11	16.326	15.712
				66079	10	13.569	4.923	66151	20	13.540	8.662	66223	13	19.645	11.091	66295	10	18.280	15.300
				66080	20	14.192	4.134	66152	10	14.470	8.936	66224	11	19.806	11.988	66296	16	18.580	15.688
				66081	10	14.575	4.028	66153	12	15.692	8.738	66225	10	21.872	11.518	66297	10	18.984	15.054
				66082	14	15.091	4.312	66154*	36	17.659	8.130	66226	12	22.642	11.355	66298	34	19.798	15.062
				66083	13	18.450	4.679	66155	26	17.686	8.987	66227	10	23.165	11.880	66299	18	19.918	15.828
				66084	16	18.575	4.476	66156	22	18.019									

66306	13	2-073	16-212	66378	10	11-020	19-982	66450	10	4-239	23-968	<div>R.A. 17^h 48^m</div> <div>Plate 2538; 1928 Apr. 2.</div> <div>Provisional Constants.</div> <div>A B C</div> <div>+00077 +01470 -4537</div> <div>D E F</div> <div>-01483 +00052 -1103</div> <div>$M_{\text{aj.}} = 15.9 - 0.96\sqrt{d}$</div>	66606	28	12-270	2-201
66307	24	2-166	16-618	66379	10	13-752	19-730	66451	15	6-390	23-301		66607	15	13-124	2-512
66308*	49	2-324	16-168	66380	21	14-093	19-917	66452	10	6-666	23-800		66608	35	16-818	2-430
66309	12	5-268	16-872	66381	12	14-164	19-999	66453	22	6-805	23-152		66609	11	18-355	2-484
66310	14	7-240	16-066	66382	10	14-722	19-580	66454	10	8-320	23-030		66610	10	19-812	2-684
66311	33	11-268	16-804	66383	10	14-996	19-164	66455	17	8-366	23-911		66611	16	22-745	2-430
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7078	10	23-270	18-600	67150	10	12-146	21-712	67222*	54	21-178	23-680					67352	10	9-994	1-444
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7093	18	13-262	19-766	67165	33	22-799	21-102	67237	12	6-891	24-722					67367	51	15-972	1-145
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67384	14	25.560	1.383	67456	14	21.234	3.358	67528	14	11.830	5.971	67600	16	18.568	6.683	67672	11	15.168	7.856
67385	10	25.560	1.407	67457	24	22.178	3.722	67529	30	12.686	5.130	67601	26	18.602	6.260	67673	38	15.286	7.490
67386	56	25.850	1.234	67458*	60	23.184	3.094	67530	10	12.925	5.407	67602	10	18.636	6.823	67674	33	15.506	7.244
67387	21	25.870	1.388	67459	12	23.210	3.128	67531	13	13.175	5.442	67603*	66	18.650	6.528	67675	19	15.528	7.264
67388	15	0.877	2.840	67460	10	23.520	3.461	67532	12	14.494	5.710	67604	14	18.650	6.148	67676	10	15.550	7.280
67389	15	1.225	2.500	67461	22	24.257	3.444	67533	10	16.726	5.940	67605	29	18.658	6.336	67677	16	15.706	7.820
67390	27	1.793	2.258	67462	18	25.674	3.375	67534	47	17.020	5.610	67606	10	18.679	6.484	67678	13	15.864	7.882
67391	34	1.807	2.868	67463	11	2.408	4.204	67535	29	17.658	5.280	67607	12	18.680	6.660	67679	26	16.032	7.908
67392	10	4.394	2.486	67464	11	2.550	4.036	67536	10	17.730	5.905	67608	58	18.696	6.080	67680	15	16.526	7.390
67393	10	4.444	2.956	67465	14	2.748	4.052	67537	25	18.009	5.374	67609*	102	18.718	6.594	67681*	80	16.554	7.974
67394	13	5.020	2.250	67466	25	3.170	4.708	67538	10	18.134	5.684	67610	11	18.740	6.058	67682	23	16.578	7.948
67395	30	5.200	2.580	67467	27	4.836	4.274	67539	12	18.430	5.629	67611	33	18.742	6.476	67683	30	16.670	7.970
67396	36	5.444	2.324	67468	12	4.880	4.280	67540*	53	18.441	5.855	67612	12	18.780	6.490	67684	11	17.282	7.540
67397	11	5.618	2.765	67469	11	5.653	4.850	67541	24	18.540	5.774	67613	27	18.860	6.988	67685	38	17.408	7.477
67398	10	7.054	2.360	67470	11	6.955	4.792	67542	19	18.820	5.069	67614	12	18.866	6.069	67686	12	17.470	7.226
67399	27	10.057	2.251	67471	40	7.220	4.289	67543	29	19.112	5.702	67615	10	18.900	6.664	67687	14	18.104	7.806
67400	10	10.130	2.374	67472	25	7.948	4.420	67544	48	19.244	5.862	67616*	48	18.913	6.698	67688	26	18.112	7.340
67401	31	10.554	2.972	67473	10	8.030	4.906	67545	51	19.708	5.134	67617*	71	18.934	6.520	67689	17	18.115	7.106
67402	10	10.786	2.854	67474	16	8.090	4.006	67546	13	19.790	5.614	67618	24	18.940	6.348	67690*	80	18.279	7.366
67403*	89	11.715	2.277	67475	18	8.473	4.900	67547	12	20.166	5.528	67619	12	18.985	6.232	67691	47	18.615	7.734
67404	15	12.184	2.385	67476	17	9.300	4.313	67548	46	20.222	5.988	67620	15	19.002	6.324	67692	14	18.698	7.926
67405	27	12.223	2.400	67477	10	9.318	4.530	67549	15	20.562	5.890	67621	52	19.082	6.463	67693	13	18.740	7.730
67406	16	13.102	2.742	67478	10	10.523	4.563	67550*	43	21.486	5.516	67622	31	19.163	6.435	67694	14	19.000	7.086
67407	13	13.474	2.670	67479	29	10.674	4.399	67551	27	22.067	5.140	67623	12	19.235	6.849	67695	24	19.134	7.480
67408	14	14.854	2.800	67480	12	11.040	4.460	67552	17	22.442	5.230	67624	40	19.711	6.648	67696	11	19.380	7.056
67409	10	15.584	2.835	67481	25	11.392	4.917	67553	14	22.548	5.210	67625	13	19.750	6.530	67697	11	19.383	7.924
67410	11	15.960	2.410	67482	14	11.401	4.892	67554	13	23.548	5.308	67626	12	19.948	6.823	67698	24	20.298	7.920
67411	15	16.244	2.944	67483	31	11.418	4.520	67555	37	23.788	5.952	67627	42	20.571	6.985	67699	11	20.810	7.746
67412	31	17.000	2.680	67484	12	13.034	4.390	67556	11	24.450	5.617	67628	10	20.640	6.104	67700	10	21.582	7.402
67413	19	17.189	2.136	67485	20	13.434	4.276	67557	12	24.757	5.268	67629	27	21.212	6.460	67701	27	21.690	7.786
67414	10	19.762	2.900	67486*	35	13.528	4.590	67558	10	25.210	5.885	67630	30	21.330	6.406	67702	13	21.956	7.690
67415	24	20.676	2.770	67487	20	14.260	4.580	67559	34	25.597	5.196	67631	35	21.541	6.349	67703	22	23.480	7.452
67416	27	21.591	2.430	67488	28	14.420	4.918	67560	11	0.069	6.086	67632	29	22.191	6.634	67704	13	24.305	7.605
67417	10	23.216	2.770	67489	19	14.515	4.492	67561	19	3.270	6.750	67633	19	22.498	6.150	67705	27	25.222	7.751
67418	23	23.754	2.917	67490	22	14.810	4.264	67562	10	3.346	6.214	67634	10	23.049	6.993	67706	45	25.970	7.740
67419*	64	23.850	2.058	67491	15	15.401	4.302	67563*	110	4.400	6.898	67635*	58	24.095	6.105	67707	27	0.318	8.748
67420	16	24.553	2.014	67492	15	15.872	4.447	67564	16	4.576	6.940	67636	17	24.195	6.180	67708	23	0.907	8.834
67421	10	25.129	2.394	67493	13	16.050	4.258	67565	13	4.710	6.873	67637	16	24.817	6.082	67709	18	3.428	8.404
67422	13	25.260	2.253	67494	10	16.260	4.040	67566	11	4.963	6.785	67638	10	25.100	6.745	67710	10	5.159	8.663
67423*	39	1.026	3.594	67495	52	16.516	4.344	67567*	97	5.710	6.286	67639	10	25.376	6.194	67711	13	5.685	8.514
67424	10	1.178	3.730	67496	27	16.790	4.728	67568	10	6.234	6.584	67640	12	25.493	6.475	67712	11	6.503	8.718
67425	24	3.990	3.563	67497	28	16.870	4.462	67569	10	6.700	6.654	67641	60	25.686	6.164	67713*	32	6.701	8.232
67426	17	4.342	3.644	67498	24	17.703	4.129	67570	23	7.018	6.700	67642	26	1.134	7.504	67714*	66	6.844	8.516
67427	14	5.566	3.234	67499	11	18.396	4.115	67571	26	8.150	6.572	67643*	55	1.555	7.546	67715	21	6.978	8.558
67428	25	8.234	3.190	67500	9	18.434	4.576	67572	14	9.006	6.515	67644	31	2.452	7.720	67716	11	8.575	8.168
67429*	57	9.642	3.754	67501	11	18.600	4.353	67573	10	9.162	6.630	67645	10	3.552	7.972	67717	14	10.321	8.066
67430	10	9.795	3.894	67502	10	19.851	4.992	67574	20	9.220	6.320	67646	13	3.632	7.736	67718	12	10.422	8.150
67431	25	10.053	3.083	67503	10	20.908	4.109	67575	11	9.695	6.054	67647	10	3.690	7.226	67719	20	10.780	8.130
67432	41	10.274	3.702	67504	14	21.385	4.358	67576	14	10.388	6.630	67648	26	3.915	7.090	67720	15	11.034	8.367
67433	27	10.390	3.420	67505	30	21.531	4.505	67577	29	12.404	6.100	67649	45	4.267	7.050	67721	20	11.755	8.390
67434	13	10.494	3.350	67506	24	21.809	4.838	67578	26	13.489	6.280	67650	11	5.059	7.705	67722	14	11.771	8.096
67435	10	10.795	3.846	67507	10	21.850	4.451	67579	11	14.120	6.582	67651*	102	7.288	7.230	67723	11	12.555	8.145
67436	10	10.989	3.204	67508	28	22.692	4.886	67580	14	14.320	6.144	67652	40	7.355	7.228	67724	40	12.779	8.280
67437	25	11.715	3.000	67509	40	22.800	4.296	67581	28	15.450	6.283	67653	19	7.542	7.136	67725	31	13.660	8.768
67438	29	12.802	3.434	67510	31	24.003	4.520	67582	27	16.543	6.563	67654	38	8.230	7.478	67726	10	14.324	8.400
67439	13	13.778	3.512	67511	13	0.060	5.739	67583	10	16.720	6.564	67655	13	8.375	7.276	67727	15	14.784	8.397
67440	10	13.785	3.874	67512*	56	4.389	5.296	67584	53	17.380	6.770	67656	44	8.515	7.711	67728	14	15.030	8.212
67441	35	14.426	3.122	67513	18	5.180	5.410	67585	49	17.384	6.265	67657	27	9.438	7.567	67729	36	15.118	8.429
67442	10	15.147	3.000	67514	10	5.794	5.020	67586	25	17.522	6.396	67658	10	9.508	7.328	67730	22	15.218	8.330
67443	29	15.208	3.993	67515	10	6.099	5.966	67587	20	17.640	6.172	67659	24	9.758	7.207	67731	10	15.329	8.566
67444	15	15.864	3.174	67516	10	6.230	5.732	67588	14	17.704	6.593	67660*	71	10.308	7.792	67732	22	15.730	8.512
67445	28	16.582	3.400	67517	10	6.652	5.293	67589	32	17.826	6.420	67661	25	10.614	7.534	67733	34	16.040	8.660
67446	32	16.914	3.082	67518	33	6.712	5.320	67590	17	17.836	6.370	67662	15	10.946	7.178	67734	25	16.073	8.720
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67746	15	19-382	8-405	67818	17	13-109	10-350	67890	21	15-352	12-350	67962	11	11-499	14-702	68034	48	8-229	16-471
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67748	10	19-634	8-092	67820	10	13-266	10-700	67892	17	16-994	12-500	67964	27	14-130	14-294	68036	14	8-840	16-662
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67794	26	22-269	9-304	67866*	47	6-306	12-540	67938	16	20-204	13-000	68010	21	20-155	15-671	68082	10	18-373	17-136
67795	11	22-648	9-162	67867	13	7-284	12-420	67939	23	21-127	13-190	68011	18	21-013	15-657	68083*	45	18-974	17-956
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67797*	50	24-630	9-190	67869	12	7-855	12-080	67941	10	22-065	13-674	68013*	56	21-254	15-724	68085	26	19-180	17-459
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68105	25	0.266	18.802	68177	10	10.748	19.850	68249	11	25.386	20.857	68321	19	17.127	22.956	68393	10	3.446	24.500
68106	20	0.790	18.536	68178	12	11.020	19.055	68250	15	25.665	20.921	68322	17	17.648	22.328	68394	11	4.024	24.967
68107	13	0.887	18.466	68179	23	12.670	19.084	68251	22	25.816	20.357	68323	10	18.060	22.277	68395*	37	4.426	24.638
68108*	29	1.284	18.374	68180	36	13.236	19.116	68252	26	0.334	21.761	68324	13	18.226	22.670	68396	39	4.782	24.892
68109	19	2.270	18.978	68181	10	13.518	19.975	68253	42	0.939	21.360	68325	28	18.611	22.659	68397	15	7.800	24.332
68110	19	2.590	18.156	68182	32	13.826	19.087	68254	30	1.220	21.174	68326	10	18.940	22.832	68398	12	7.990	24.674
68111	11	2.700	18.058	68183	35	13.910	19.866	68255	10	1.450	21.590	68327	30	20.680	22.354	68399*	28	8.150	24.752
68112	18	2.908	18.870	68184	10	15.508	19.744	68256	15	5.730	21.326	68328	31	25.026	22.824	68400	22	9.796	24.358
68113	23	4.035	18.582	68185	28	15.790	19.590	68257	17	5.824	21.020	68329	11	25.110	22.356	68401	20	9.985	24.320
68114	29	4.520	18.462	68186	20	15.914	19.314	68258	10	7.041	21.146	68330	30	0.802	23.390	68402	16	12.302	24.366
68115	29	5.670	18.931	68187*	37	16.050	19.089	68259	28	7.075	21.942	68331	12	2.104	23.490	68403	27	12.375	24.322
68116*	23	7.021	18.643	68188	10	16.840	19.279	68260	10	7.196	21.713	68332	21	2.545	23.526	68404	24	12.444	24.396
68117	19	8.369	18.524	68189	10	17.100	19.080	68261	13	10.254	21.594	68333	10	3.401	23.348	68405	11	12.730	24.368
68118*	60	8.490	18.470	68190	10	19.150	19.685	68262	11	10.296	21.702	68334	16	4.076	23.312	68406	10	13.510	24.880
68119	13	9.536	18.968	68191	18	19.400	19.530	68263*	40	11.868	21.400	68335	16	4.100	23.954	68407	14	14.511	24.162
68120	10	9.681	18.879	68192	21	20.040	19.540	68264	23	12.802	21.698	68336	28	4.428	23.640	68408*	47	14.540	24.884
68121	25	9.776	18.124	68193	10	20.334	19.634	68265	28	13.073	21.286	68337	10	4.769	23.985	68409	28	15.490	24.206
68122*	51	9.790	18.546	68194*	62	20.380	19.518	68266	21	14.468	21.920	68338	25	5.080	23.796	68410	10	15.962	24.606
68123	10	9.819	18.224	68195	29	20.734	19.479	68267	11	14.594	21.424	68339	12	5.094	23.572	68411	11	16.630	24.390
68124	34	10.276	18.659	68196	29	23.223	19.700	68268	25	14.916	21.500	68340	29	6.182	23.670	68412	41	16.676	24.322
68125	28	10.726	18.040	68197	16	23.750	19.160	68269	19	16.522	21.163	68341	30	6.667	23.676	68413	39	16.847	24.498
68126	14	10.900	18.984	68198	14	23.891	19.765	68270	14	16.762	21.666	68342	10	6.976	23.508	68414	26	17.180	24.260
68127	24	12.400	18.652	68199	14	24.390	19.578	68271	16	16.770	21.429	68343	22	7.158	23.822	68415	18	17.510	24.285
68128	11	13.106	18.216	68200	11	24.460	19.035	68272	18	16.918	21.985	68344	27	7.170	23.609	68416*	44	17.852	24.281
68129	11	13.302	18.706	68201	13	24.972	19.400	68273	38	17.362	21.908	68345	23	7.797	23.746	68417	14	18.190	24.770
68130	28	15.775	18.624	68202	18	25.446	19.150	68274	10	17.870	21.956	68346	32	7.870	23.119	68418	22	18.678	24.698
68131	12	16.969	18.808	68203	20	25.459	19.724	68275	25	18.060	21.456	68347	12	7.879	23.888	68419	37	19.774	24.684
68132	41	17.586	18.696	68204	33	1.104	20.884	68276	35	18.230	21.600	68348	22	9.404	23.144	68420	24	20.860	24.221
68133	29	18.046	18.209	68205	20	1.804	20.074	68277	15	18.500	21.329	68349	29	10.114	23.249	68421	27	21.001	24.490
68134	10	18.208	18.671	68206	12	2.237	20.387	68278	10	20.577	21.414	68350	18	10.819	23.460	68422	19	21.550	24.100
68135	10	19.170	18.120	68207	21	2.421	20.846	68279	10	20.977	21.666	68351	10	10.907	23.030	68423	10	21.860	24.133
68136	23	19.250	18.300	68208*	65	2.864	20.886	68280	21	21.334	21.570	68352*	43	10.933	23.670	68424	27	22.420	24.658
68137	14	19.646	18.170	68209	11	3.200	20.946	68281	32	21.412	21.480	68353	17	12.182	23.246	68425	15	22.618	24.498
68138	12	19.690	18.403	68210	11	3.860	20.001	68282	14	21.686	21.420	68354	10	12.302	23.474	68426	26	24.270	24.237
68139	10	20.464	18.091	68211	12	4.232	20.094	68283	26	22.140	21.866	68355	10	12.442	23.580	68427	14	25.010	24.644
68140	12	20.584	18.268	68212	21	5.658	20.958	68284	22	22.837	21.576	68356	10	12.550	23.400	68428	30	25.258	24.784
68141	14	20.664	18.920	68213	38	8.800	20.653	68285	26	22.944	21.353	68357	30	12.676	23.416	68429	31	2.290	25.850
68142	14	20.841	18.212	68214	10	10.025	20.263	68286	14	23.728	21.610	68358	27	12.784	23.820	68430	24	2.449	25.284
68143	24	20.900	18.840	68215	39	10.814	20.708	68287	11	23.910	21.588	68359	10	13.589	23.400	68431	14	5.040	25.380
68144	24	20.950	18.060	68216	15	12.636	20.670	68288	19	23.936	21.192	68360	16	13.695	23.581	68432	14	5.159	25.522
68145	24	21.394	18.988	68217	29	12.746	20.660	68289	10	23.955	21.356	68361	29	14.508	23.611	68433	30	5.650	25.006
68146	27	21.504	18.718	68218	26	12.760	20.280	68290	38	24.572	21.349	68362	14	14.562	23.856	68434	13	6.080	25.180
68147	10	21.902	18.700	68219	19	13.836	20.648	68291	12	0.260	22.650	68363	22	14.956	23.670	68435	20	6.844	25.680
68148	24	21.906	18.267	68220	14	14.944	20.530	68292	10	1.090	22.185	68364	33	15.002	23.873	68436	25	8.470	25.954
68149	10	22.186	18.705	68221	15	15.238	20.340	68293	28	1.865	22.570	68365	10	15.170	23.274	68437	11	9.529	25.016
68150	26	22.653	18.679	68222	10	17.268	20.996	68294	14	2.216	22.904	68366	14	16.571	23.973	68438	12	9.930	25.920
68151	14	22.736	18.684	68223	32	18.460	20.677	68295	29	3.681	22.598	68367	22	17.434	23.285	68439	29	10.288	25.282
68152	14	22.736	18.810	68224	24	18.932	20.433	68296	14	3.692	22.022	68368	12	17.824	23.670	68440	10	10.458	25.001
68153	31	22.814	18.520	68225	10	19.466	20.440	68297	11	4.045	22.300	68369	27	19.391	23.426	68441	38	11.550	25.911
68154	15	22.980	18.924	68226	36	20.248	20.934	68298	17	5.700	22.084	68370	17	19.501	23.100	68442	10	12.410	25.532
68155*	53	22.984	18.538	68227	13	20.300	20.230	68299*	168	6.837	22.175	68371	34	21.486	23.906	68443	17	12.457	25.940
68156	12	23.050	18.373	68228*	58	20.700	20.708	68300	14	7.070	22.559	68372	10	22.510	23.340	68444	23	13.672	25.415
68157	33	23.600	18.716	68229	14	20.909	20.156	68301	25	7.250	22.078	68373	21	22.549	23.310	68445	10	15.108	25.688
68158*	46	23.835	18.224	68230	38	20.946	20.470	68302	18	7.323	22.254	68374	10	23.270	23.120	68446*	42	15.267	25.084
68159	11	24.650	18.185	68231	25	21.088	20.029	68303	19	7.648	22.690	68375	37	23.396	23.308	68447	10	15.982	25.658
68160	13	25.012	18.940	68232	25	21.149	20.700	68304	31	7.966	22.796	68376	26	24.074	23.921	68448	26	16.690	25.546
68161	12	25.488	18.484	68233	18	21.412	20.954	68305	17	8.642	22.913	68377	10	24.128	23.584	68449	34	18.851	25.380
68162	33	25.640	18.716	68234	25	21.770	20.774	68306	16	9.670	22.804	68378	12	24.806	23.180	68450	11	20.708	25.960
68163	22	0.360	19.834	68235	25	21.858	20.982	68307	16	9.748	22.300	68379	42	25.035	23.780	68451	42	21.273	25.582
68164	16	1.126	19.070	68236	10	21.879	20.820	68308	33	10.065	22.139	68380*	55	25.106	23.626	68452	10	22.209	25.384
68165	11	1.539	19.860	68237	10	22.014	20.242	68309	11	10.079	22.460	68381							

R.A. 18 ^h 4 ^m																			
Plate 2077; 1923 Apr. 13.																			
Provisional Constants.																			
A		B		C															
-01775		+00427		+2255															
D		E		F															
-00414		-01772		-1161															
Mag. = 15.5 - 0.96√d																			
No.	d	x	y																
68501	20	0.518	0.200	68556*	46	4.263	1.532	686028	12	10.833	2.818	68700	12	13.373	3.594	68772	18	18.010	4.084
68502	40	0.760	0.310	68557	19	4.287	1.684	68629	11	10.836	2.918	68701	12	13.424	3.914	68773	21	18.473	4.332
68503	20	1.048	0.100	68558	37	4.454	1.956	68630	17	11.404	2.976	68702	10	13.591	3.248	68774	11	18.494	4.296
68504	26	2.285	0.689	68559	10	5.906	1.299	68631	9	11.566	2.948	68703	32	14.369	3.970	68775	10	18.820	4.182
68505	13	2.927	0.638	68560	13	6.280	1.981	68632	10	12.112	2.222	68704	33	14.753	3.466	68776	23	19.708	4.038
68506	10	3.552	0.978	68561*	45	6.558	1.892	68633*	40	12.406	2.467	68705	10	14.774	3.416	68777	10	19.795	4.174
68507	19	4.008	0.505	68562	20	6.699	1.370	68634	10	12.691	2.102	68706*	48	14.930	3.856	68778	20	19.950	4.730
68508	9	4.511	0.030	68563	14	7.884	1.577	68635	10	12.792	2.973	68707	22	14.993	3.283	68779	30	20.137	4.933
68509	42	5.715	0.898	68564	16	7.998	1.402	68636	34	14.106	2.101	68708	12	15.858	3.343	68780	22	20.557	4.471
68510	11	6.028	0.962	68565	23	8.030	1.898	68637	10	14.394	2.254	68709	23	16.106	3.585	68781	10	21.046	4.394
68511	18	6.069	0.482	68566	10	8.303	1.642	68638	33	15.398	2.524	68710	10	16.331	3.212	68782	10	21.076	4.414
68512	10	6.072	0.234	68567	9	8.364	1.156	68639	11	15.602	2.556	68711	18	16.471	3.143	68783	13	21.384	4.880
68513	13	6.267	0.128	68568	10	8.709	1.449	68640	10	15.892	2.778	68712	10	16.615	3.328	68784	24	21.396	4.088
68514	16	6.505	0.240	68569	10	8.872	1.543	68641	14	16.163	2.994	68713	10	17.368	3.038	68785	26	22.304	4.386
68515	21	6.859	0.102	68570	10	9.479	1.422	68642	21	16.784	2.532	68714	11	18.072	3.842	68786	10	22.510	4.372
68516	22	7.585	0.316	68571	20	11.810	1.343	68643	11	16.826	2.026	68715	11	18.138	3.020	68787	11	22.550	4.342
68517	22	9.148	0.896	68572	10	12.344	1.242	68644	15	16.859	2.031	68716	18	18.290	3.635	68788	15	22.832	4.015
68518	15	9.314	0.215	68573	13	12.360	1.940	68645*	38	17.624	2.288	68717	14	18.440	3.340	68789	10	25.147	4.735
68519	11	9.385	0.891	68574*	46	12.416	1.678	68646	10	17.834	2.075	68718	21	18.712	3.600	68790	10	25.417	4.442
68520	22	9.882	0.760	68575	19	13.331	1.800	68647	10	18.479	2.924	68719	20	18.772	3.560	68791	19	25.663	4.394
68521	9	10.096	0.028	68576	10	13.446	1.590	68648	25	19.154	2.606	68720	18	18.940	3.770	68792	19	0.228	5.138
68522	11	10.382	0.025	68577	14	14.604	1.606	68649	21	19.377	2.184	68721	14	19.410	3.982	68793	20	0.486	5.438
68523	16	10.544	0.712	68578	13	14.768	1.125	68650	10	19.468	2.924	68722	10	20.866	3.036	68794	15	0.862	5.526
68524	9	10.834	0.950	68579	10	15.166	1.758	68651	10	19.520	2.468	68723	10	21.402	3.193	68795	15	0.967	5.509
68525	9	10.930	0.150	68580	16	15.638	1.464	68652	14	19.802	2.916	68724	31	21.493	3.656	68796	21	1.112	5.186
68526	31	12.844	0.475	68581	14	15.673	1.926	68653	9	20.543	2.887	68725	11	21.700	3.388	68797	12	1.967	5.608
68527	29	12.852	0.466	68582	14	16.114	1.638	68654	22	20.554	2.471	68726	44	22.382	3.878	68798	10	2.266	5.342
68528	18	13.595	0.546	68583	10	16.228	1.458	68655	13	20.920	2.982	68727	17	23.347	3.253	68799	10	2.870	5.916
68529	18	14.629	0.688	68584	28	16.440	1.894	68656	12	21.024	2.278	68728	16	23.478	3.466	68800	13	3.176	5.568
68530	10	14.778	0.595	68585	19	16.520	1.563	68657	32	21.934	2.018	68729	10	23.940	3.726	68801	24	4.014	5.494
68531	29	15.260	0.108	68586	14	16.712	1.551	68658	10	22.985	2.525	68730	20	24.018	3.358	68802	11	4.080	5.377
68532	20	15.924	0.190	68587	21	17.532	1.811	68659	12	23.063	2.522	68731	24	24.262	3.366	68803	33	4.947	5.649
68533	10	16.740	0.962	68588	22	17.683	1.726	68660	13	23.104	2.916	68732	13	24.265	3.638	68804	31	5.011	5.640
68534	16	17.780	0.968	68589	19	19.039	1.458	68661	10	23.181	2.833	68733	19	24.342	3.508	68805	20	5.317	5.514
68535	18	18.007	0.878	68590	11	20.008	1.511	68662	16	23.782	2.822	68734	11	24.402	3.140	68806	22	5.838	5.424
68536	16	19.718	0.222	68591	19	20.464	1.400	68663	23	23.850	2.984	68735	10	25.634	3.432	68807	18	6.180	5.904
68537	10	20.200	0.622	68592	10	20.490	1.964	68664	11	24.862	2.577	68736	15	0.595	4.024	68808	14	7.293	5.502
68538	11	20.247	0.436	68593	18	21.383	1.740	68665	13	25.034	2.638	68737	30	1.217	4.596	68809	11	7.820	5.234
68539	12	20.624	0.036	68594	20	21.623	1.686	68666	32	25.043	2.024	68738	22	2.422	4.818	68810	17	7.904	5.531
68540	23	20.758	0.974	68595	18	21.630	1.574	68667	16	25.587	2.328	68739	10	4.492	4.964	68811	11	8.104	5.788
68541	10	20.946	0.916	68596*	45	22.144	1.573	68668*	48	1.596	3.394	68740	19	7.100	4.233	68812	21	8.226	5.443
68542	18	22.010	0.847	68597	10	22.284	1.350	68669	10	1.634	3.068	68741	11	7.483	4.231	68813	10	8.586	5.811
68543	11	22.040	0.848	68598	31	22.814	1.135	68670	10	1.937	3.760	68742	19	7.826	4.436	68814	19	9.179	5.185
68544	10	22.798	0.440	68599	13	23.363	1.504	68671	18	2.173	3.216	68743	11	7.884	4.536	68815	10	9.572	5.064
68545	10	23.670	0.700	68600	10	23.700	1.729	68672	15	2.674	3.743	68744*	58	7.890	4.227	68816	10	10.304	5.266
68546	10	23.890	0.412	68601	10	23.952	1.420	68673	15	4.093	3.674	68745	39	8.000	4.154	68817	10	10.646	5.336
68547	21	25.756	0.407	68602	12	23.958	1.408	68674	16	4.463	3.428	68746	10	8.320	4.205	68818	11	10.652	5.373
68548	17	1.213	1.774	68603	11	24.990	1.636	68675	24	4.581	3.954	68747	10	8.521	4.859	68819	10	11.142	5.597
68549	23	1.866	1.620	68604	13	25.357	1.516	68676	10	4.757	3.372	68748	12	9.080	4.590	68820	13	11.291	5.838
68550	13	1.888	1.106	68605	44	25.913	1.448	68677	25	4.962	3.846	68749	24	9.103	4.696	68821	10	12.109	5.625
68551	11	3.268	1.224	68606	15	0.008	2.731	68678	22	5.098	3.088	68750	12	9.136	4.114	68822	17	13.362	5.125
68552	11	3.432	1.144	68607	32	0.092	2.295	68679	10	6.432	3.206	68751*	36	9.342	4.217	68823	10	13.526	5.854
68553	13	3.828	1.238	68608	10	1.230	2.241	68680	25	7.6.									

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68897	10	14-844	6-408	68969	15	17-573	7-224	69041*	38	3-051	9-489	69113	16	14-102	10-738	69185	20	19-154	11-772
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68903	10	16-311	6-912	68975	10	18-528	7-728	69047	35	5-160	9-026	69119	10	18-782	10-906	69191	10	20-745	11-400
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69204	17	0.242	12.091	69276*	33	11.290	13.705	69348	10	17.218	14.545	69420	19	22.324	15.518	69492	27	22.947	16.733
69205	37	0.352	12.808	69277	17	11.703	13.144	69349	24	17.252	14.640	69421	20	23.214	15.737	69493	18	23.492	16.712
69206	35	0.462	12.843	69278	18	11.963	13.253	69350	11	18.418	14.386	69422	10	23.260	15.544	69494	12	0.375	17.760
69207	10	0.884	12.567	69279	11	12.500	13.824	69351	19	18.837	14.830	69423	25	24.248	15.240	69495	10	0.531	17.888
69208	10	2.174	12.225	69280	35	12.558	13.282	69352	19	19.156	14.426	69424	19	24.730	15.606	69496	24	0.738	17.910
69209	22	2.220	12.420	69281	26	13.386	13.090	69353*	66	21.103	14.262	69425	26	24.772	15.029	69497	14	1.133	17.330
69210	15	2.554	12.464	69282	21	13.438	13.501	69354	10	21.175	14.008	69426	24	24.852	15.087	69498	13	1.596	17.086
69211	12	2.970	12.807	69283	13	13.670	13.150	69355	18	21.439	14.464	69427*	36	25.207	15.082	69499	10	1.878	17.156
69212	20	5.470	12.678	69284	22	15.048	13.828	69356	10	21.550	14.121	69428	25	25.492	15.672	69500	13	2.607	17.004
69213	14	6.022	12.039	69285	21	16.423	13.443	69357	22	22.106	14.496	69429	18	0.338	16.194	69501	20	3.022	17.622
69214	10	6.230	12.138	69286	20	17.948	13.944	69358	11	22.333	14.725	69430	10	0.460	16.335	69502	11	3.495	17.350
69215	16	6.562	12.774	69287	10	18.246	13.563	69359*	33	22.885	14.096	69431	10	0.650	16.710	69503	9	3.800	17.430
69216	30	6.868	12.020	69288	12	19.048	13.202	69360	10	22.962	14.916	69432	11	1.504	16.540	69504	19	4.031	17.488
69217	11	7.470	12.611	69289	10	20.019	13.652	69361	31	23.072	14.542	69433	10	1.754	16.152	69505	11	4.313	17.753
69218	34	7.709	12.540	69290	10	20.848	13.044	69362	21	23.433	14.612	69434	25	2.100	16.498	69506	12	4.378	17.624
69219	10	8.267	12.141	69291	13	20.902	13.122	69363	12	23.496	14.932	69435	19	2.290	16.170	69507	9	4.723	17.586
69220	10	8.318	12.574	69292	20	21.013	13.868	69364	10	23.506	14.628	69436	21	2.411	16.570	69508	10	5.149	17.603
69221	11	8.788	12.519	69293	10	21.149	13.558	69365	20	23.570	14.784	69437	20	2.624	16.878	69509	21	5.538	17.408
69222	25	9.582	12.440	69294	14	21.717	13.361	69366	11	23.853	14.574	69438	20	2.798	16.886	69510*	28	6.546	17.086
69223	23	10.129	12.265	69295	21	21.879	13.384	69367	21	23.950	14.664	69439	10	3.326	16.326	69511	21	6.660	17.730
69224	10	10.390	12.458	69296	23	21.906	13.350	69368*	43	25.453	14.320	69440	14	3.374	16.950	69512	10	7.338	17.033
69225	17	10.600	12.457	69297	16	21.940	13.372	69369	10	0.671	15.713	69441	13	4.037	16.419	69513	19	8.144	17.508
69226	10	11.246	12.240	69298	35	22.790	13.696	69370	11	0.775	15.602	69442	10	4.284	16.262	69514*	40	8.323	17.878
69227	11	11.541	12.274	69299	22	22.972	13.288	69371	14	1.037	15.112	69443	20	4.812	16.937	69515	20	9.514	17.652
69228	12	12.061	12.742	69300	14	23.188	13.974	69372	11	1.284	15.540	69444	21	4.942	16.676	69516	35	9.667	17.856
69229	23	12.272	12.932	69301	23	23.414	13.732	69373	18	2.566	15.102	69445	10	5.038	16.462	69517	21	10.484	17.939
69230	11	12.588	12.431	69302	12	23.482	13.272	69374	10	2.765	15.368	69446	10	5.097	16.192	69518*	40	10.506	17.926
69231	10	14.076	12.966	69303	10	24.152	13.844	69375	18	3.015	15.908	69447	24	5.230	16.664	69519	27	11.454	17.113
69232	18	15.074	12.748	69304	10	24.496	13.852	69376	29	3.490	15.560	69448	22	5.340	16.729	69520	11	11.676	17.784
69233	10	15.667	12.237	69305	10	24.858	13.168	69377	10	4.674	15.344	69449	23	5.455	16.405	69521	14	11.738	17.778
69234	11	16.093	12.170	69306	23	24.999	13.208	69378	20	4.953	15.591	69450	10	5.607	16.182	69522	19	11.800	17.200
69235	12	16.250	12.538	69307	47	25.886	13.541	69379	10	5.142	15.906	69451	24	5.655	16.012	69523*	46	13.593	17.635
69236	25	17.644	12.452	69308	19	0.220	14.686	69380	22	5.150	15.178	69452*	41	5.982	16.681	69524	9	13.795	17.467
69237	19	19.034	12.042	69309	23	0.438	14.652	69381	20	5.244	15.936	69453	10	6.305	16.782	69525	10	14.178	17.098
69238	19	19.336	12.402	69310	21	0.440	14.972	69382	11	5.308	15.804	69454	10	6.370	16.441	69526	20	15.684	17.122
69239	14	19.380	12.504	69311	16	0.481	14.978	69383	10	6.173	15.486	69455	10	6.370	16.970	69527	11	15.852	17.620
69240	10	19.649	12.210	69312	21	0.604	14.212	69384*	30	6.244	15.983	69456*	37	6.733	16.816	69528	10	17.081	17.025
69241	22	19.850	12.223	69313	19	1.304	14.171	69375	23	6.430	15.264	69457	14	7.133	16.988	69529	23	17.156	17.028
69242	10	20.415	12.474	69314	20	1.669	14.136	69386	17	6.710	15.560	69458	19	7.957	16.133	69530	10	17.670	17.410
69243	11	21.270	12.626	69315	10	1.754	14.784	69387	10	7.059	15.598	69459	21	7.968	16.824	69531	17	17.894	17.112
69244	11	22.436	12.376	69316	26	1.927	14.530	69388	10	7.952	15.671	69460	10	8.630	16.594	69532	10	18.708	17.314
69245	24	22.630	12.054	69317	10	3.004	14.755	69389	10	8.492	15.309	69461	21	9.356	16.571	69533	10	18.747	17.240
69246	19	22.860	12.988	69318	18	3.104	14.260	69390	12	8.497	15.626	69462	18	9.623	16.148	69534	19	19.610	17.190
69247	13	23.494	12.799	69319	10	3.932	14.408	69391	23	8.712	15.600	69463	19	9.866	16.363	69535	14	19.696	17.234
69248	10	24.530	12.549	69320	10	4.050	14.430	69392	18	8.866	15.434	69464	38	10.158	16.532	69536	11	19.738	17.562
69249	31	25.311	12.037	69321	16	4.078	14.102	69393	17	9.237	15.868	69465	10	11.168	16.498	69537	14	21.532	17.830
69250	23	25.526	12.888	69322	19	4.887	14.663	69394	24	9.463	15.392	69466	24	11.410	16.620	69538	21	21.807	17.469
69251	19	25.784	12.315	69323	20	5.050	14.636	69395	18	10.539	15.176	69467	19	11.867	16.204	69539	18	22.632	17.374
69252	25	25.912	12.868	69324	20	5.648	14.068	69396	31	11.021	15.680	69468	25	11.994	16.746	69540	22	22.654	17.642
69253	20	0.178	13.509	69325	13	6.362	14.191	69397	20	11.308	15.598	69469	10	12.931	16.228	69541	19	24.848	17.296
69254	10	0.490	13.970	69326	18	6.532	14.728	69398	22	11.546	15.787	69470	20	14.368	16.400	69542*	46	25.094	17.526
69255	21	1.090	13.893	69327*	84	6.774	14.016	69399	32	11.561	15.959	69471	14	15.508	16.300	69543	10	25.590	17.850
69256	23	1.773	13.882	69328	18	6.814	14.600	69400	16	13.424	15.181	69472*	49	15.920	16.970	69544	19	0.335	18.566
69257	18	2.197	13.279	69329*	35	7.700	14.098	69401	12	13.424	15.714	69473	20	16.220	16.302	69545	11	0.349	18.273
69258	14	2.528	13.258	69330	11	7.874	14.514	69402	28	15.582	15.682	69474	10	16.595	16.277	69546	11	0.904	18.147
69259	10	3.467	13.253	69331	10	7.976	14.883	69403	25	13.763	15.934	69475	14	16.660	16.871	69547	10	0.919	18.177
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69262*	31	5.294	13.227	69334	15	10.298	14.742	69406	19	15.330	15.590	69478	15	17.937	16.134	69550*	43	1.409	18.828
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70625	14	16.209	8.862	70697	18	17.585	9.184	70769	26	19.965	10.370	70841	21	15.629	11.544	70913	15	13.714	12.168
70626	15	17.806	8.886	70698	24	17.964	9.510	70770	35	20.334	10.540	70842	40	15.751	11.823	70914	38	13.750	12.432
70627	14	17.876	8.453	70699	27	18.162	9.056	70771	14	20.470	10.706	70843	27	15.939	11.843	70915	21	14.166	12.806
70628	22	17.911	8.209	70700	28	18.500	9.315	70772	14	20.654	10.774	70844	14	16.130	11.466	70916	51	14.491	12.986
70629	30	18.550	8.506	70701	26	18.945	9.546	70773	31	21.056	10.320	70845	23	17.534	11.984	70917*	59	15.290	12.612
70630	31	18.800	8.502	70702	14	20.074	9.438	70774	14	21.056	10.677	70846	37	18.075	11.916	70918	26	15.350	12.710
70631	20	19.132	8.107	70703	14	20.102	9.380	70775	14	21.706	10.196	70847	19	18.865	11.132	70919	27	15.770	12.894
70632	14	19.158	8.941	70704	34	20.326	9.046	70776*	51	21.988	10.823	70848	44	19.040	11.143	70920	18	15.790	12.216
70633	16	20.086	8.374	70705	29	20.893	9.561	70777	27	22.375	10.688	70849	25	19.632	11.290	70921	18	16.577	12.260
70634	19	20.580	8.032	70706	42	20.922	9.810	70778	14	22.632	10.020	70850	14	19.981	11.430	70922	14	16.696	12.101
70635	23	20.975	8.915	70707	14	21.181	9.424	70779	14	22.925	10.430	70851	14	21.650	11.535	70923	14	16.981	12.678
70636	27	21.175	8.203	70708	31	21.504	9.242	70780	14	23.544	10.290	70852	26	21.670	11.906	70924	19	17.365	12.444
70637	18	21.486	8.325	70709	27	21.834	9.544	70781	36	23.755	10.805	70853	20	21.750	11.662	70925	19	17.538	12.574
70638	18	21.620	8.166	70710	18	22.108	9.339	70782	29	24.200	10.974	70854	14	22.505	11.895	70926	15	18.272	12.342
70639	18	21.793	8.159	70711	25	22.634	9.601	70783	16	24.234	10.972	70855	29	23.287	11.311	70927	37	18.318	12.241
70640	29	21.967	8.478	70712	14	22.857	9.382	70784	32	24.473	10.488	70856	23	23.521	11.334	70928	19	18.626	12.370
70641	19	21.990	8.290	70713	16	22.932	9.028	70785	25	24.500	10.790	70857	21	23.812	11.750	70929	14	18.666	12.496
70642	26	22.526	8.998	70714	14	23.300	9.536	70786	17	24.760	10.775	70858	14	23.854	11.312	70930	14	18.866	12.469
70643	16	22.934	8.949	70715	22	23.482	9.318	70787	21	25.582	10.319	70859	14	23.866	11.810	70931	16	19.063	12.777
70644	16	23.190	8.988	70716	28	24.399	9.010	70788	29	25.738	10.864	70860	16	24.013	11.152	70932	30	19.750	12.694
70645	16	23.216	8.036	70717	25	24.560	9.275	70789	14	25.869	10.833	70861	25	24.186	11.574	70933	16	20.016	12.646
70646	18	23.636	8.634	70718	18	24.650	9.692	70790	15	0.384	11.910	70862	14	24.575	11.872	70934	14	20.040	12.643
70647	14	24.402	8.918	70719	18	25.120	9.122	70791	18	1.040	11.800	70863	14	24.985	11.884	70935	17	20.720	12.650
70648	35	25.548	8.160	70720	14	25.252	9.756	70792	19	1.184	11.436	70864	38	25.122	11.980	70936	53	20.989	12.308
70649	22	25.726	8.310	70721	31	25.529	9.068	70793	14	1.269	11.653	70865	17	25.192	11.924	70937	37	21.322	12.395
70650	14	25.740	8.370	70722	16	0.177	10.120	70794	34	1.586	11.296	70866	14	25.216	11.491	70938	14	22.086	12.699
70651	16	0.217	9.714	70723	30	0.830	10.654	70795	20	1.715	11.806	70867	27	25.810	11.392	70939	27	22.282	12.113
70652	28	0.330	9.886	70724	30	1.648	10.476	70796	24	2.243	11.006	70868	19	0.090	12.748	70940	16	22.474	12.407
70653	27	0.448	9.764	70725	25	1.728	10.178	70797	17	2.310	11.696	70869	21	0.278	12.304	70941	16	22.994	12.773
70654	16	0.684	9.157	70726	25	1.751	10.106	70798	14	2.576	11.362	70870	32	0.280	12.418	70942	19	23.491	12.054
70655	15	1.303	9.110	70727	14	2.700	10.092	70799	26	2.774	11.088	70871	28	1.604	12.162	70943*	106	23.658	12.298
70656	27	1.350	9.296	70728*	41	2.926	10.054	70800	35	2.806	11.950	70872	14	1.865	12.753	70944	14	23.706	12.142
70657	50	1.625	9.396	70729	31	3.600	10.244	70801	14	3.479	11.138	70873	14	2.226	12.878	70945	14	23.718	12.930
70658	40	1.648	9.508	70730	32	3.604	10.406	70802	14	3.881	11.147	70874	14	2.350	12.410	70946	22	23.882	12.716
70659	14	2.526	9.606	70731	28	3.908	10.720	70803	46	3.890	11.935	70875	19	2.552	12.198	70947	14	24.056	12.446
70660	19	2.888	9.486	70732	21	4.120	10.646	70804	19	4.031	11.574	70876	36	3.008	12.342	70948	16	24.460	12.960
70661	32	3.428	9.674	70733	29	4.363	10.215	70805	20	4.064	11.197	70877	24	3.496	12.615	70949	18	24.683	12.630
70662	14	3.565	9.201	70734	29	4.778	10.196	70806	14	4.736	11.582	70878	19	3.770	12.368	70950	21	25.052	12.680
70663	25	3.700	9.094	70735*	62	5.211	10.115	70807	14	4.962	11.426	70879	46	5.182	12.416	70951	16	25.538	12.480
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70665	23	4.980	9.307	70737	19	6.369	10.566	70809	17	5.489	11.598	70881	14	5.574	12.732	70953	24	0.534	13.362
70666	15	6.028	9.034	70738	23	6.728	10.665	70810	19	5.664	11.141	70882	15	5.752	12.453	70954	32	0.650	13.664
70667	16	6.781	9.250	70739	14	7.522	10.130	70811	14	5.760	11.569	70883	14	5.941	12.802	70955	14	1.086	13.312
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70670	21	7.620	9.545	70742	14	8.962	10.128	70814	14	6.785	11.326	70886	20	6.490	12.256	70958	14	1.690	13.088
70671	14	8.064	9.435	70743	40	8.967	10.703	70815	26	6.910	11.738	70887	31	6.784	12.228	70959	17	2.574	13.502
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70674	22	8.558	9.174	70746	14	9.970	10.938	70818	18	8.302	11.092	70890	15	7.570	12.656	70962	31	3.244	13.203
70675	21	8.873	9.040	70747	14	10.114	10.740	70819	14	8.860	11.500	70891	15	7.775	12.049	70963*	65	3.621	13.860
70676	19	9.968	9.802	70748	28	10.120	10.877	70820	15	8.976	11.210	70892	16	7.848	12.784	70964	33	3.637	13.175
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70680	19	10.824	9.076	70752	22	11.130	10.061	70824	14	10.046	11.152	70896	36	8.300	12.490	70968	14	4.240	13.461
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70683	24	11.725	9.577	70755	22	13.252	10.828	70827	14	10.829	11.998	70899	15	8.780	12.325	70971	24	4.918	13.994
70684	17	12.289	9.248	70756	16	13.390	10.656	70828	19	10.835	11.822	70900	19	8.849	12.378	70972	29	5.422	13.821
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72483	11	23-149	8-864	72555	10	6-209	10-250	72627	11	16-776	11-916	72699	14	2-352	13-174	72771	11	17-969	14-650
72484	34	23-202	8-032	72556	10	6-278	10-474	72628	10	17-012	11-571	72700	32	2-708	13-212	72772	10	18-050	14-592
72485	10	23-866	8-992	72557	11	6-706	10-586	72629	26	17-409	11-708	72701	13	2-756	13-920	72773	10	18-480	14-632
72486	10	24-526	8-032	72558	14	6-716	10-847	72630	10	17-806	11-942	72702	11	3-181	13-638	72774	13	18-768	14-475
72487	33	24-598	8-654	72559	14	7-031	10-971	72631	35	18-348	11-712	72703	10	3-242	13-489	72775	21	19-432	14-562
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72494	19	0-770	9-188	72566	10	9-377	10-470	72638	23	23-415	11-831	72710	44	7-390	13-922	72782	16	0-290	15-905
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72497	19	1-321	9-550	72569	17	11-103	10-260	72641	10	25-603	11-710	72713	13	8-826	13-237	72785	28	1-054	15-122
72498	28	2-236	9-229	72570	10	12-521	10-661	72642	22	25-896	11-232	72714	13	9-374	13-646	72786	13	1-380	15-984
72499	10	2-241	9-141	72571	10	12-784	1												

72797	12	4.646	15.128	72869	28	23.875	16.552	72941	28	1.402	19.281	73013	21	25.035	20.414	73085	23	23.811	22.329
72798	12	5.214	15.980	72870*	77	24.838	16.453	72942	13	2.223	19.169	73014	10	1.330	21.943	73086	10	24.014	22.607
72799	19	6.207	15.293	72871	11	24.961	16.910	72943	32	2.485	19.866	73015	31	2.147	21.158	73087	32	24.032	22.270
72800	10	10.349	15.030	72872	11	25.676	16.294	72944	10	2.924	19.162	73016	23	2.282	21.326	73088	10	24.329	22.189
72801	27	11.446	15.454	72873	20	3.179	17.860	72945	13	3.341	19.148	73017	28	2.389	21.410	73089*	44	24.868	22.613
72802	18	11.656	15.856	72874	10	3.504	17.700	72946	13	3.476	19.718	73018	10	2.608	21.220	73090	10	25.030	22.357
72803	11	12.634	15.839	72875	20	3.510	17.778	72947	26	3.510	19.642	73019	22	3.328	21.700	73091	10	25.374	22.500
72804	10	13.928	15.911	72876	19	3.779	17.987	72948	31	5.031	19.946	73020	10	3.676	21.676	73092	25	0.932	23.956
72805	13	14.465	15.237	72877	17	4.330	17.354	72949	21	5.120	19.534	73021	13	3.900	21.160	73093	24	1.087	23.103
72806	10	14.624	15.130	72878	15	4.678	17.963	72950	37	5.414	19.768	73022	11	6.211	21.988	73094	20	1.110	23.439
72807	18	14.654	15.229	72879	10	4.839	17.595	72951	14	5.434	19.154	73023	10	6.860	21.770	73095	17	1.279	23.244
72808	17	16.115	15.860	72880	20	5.078	17.342	72952	10	7.924	19.653	73024	33	9.682	21.225	73096	10	1.440	23.405
72809	20	17.671	15.217	72881	13	5.231	17.420	72953	19	8.940	19.710	73025	19	10.720	21.974	73097	37	2.214	23.625
72810	10	19.264	15.796	72882	17	5.231	17.972	72954	20	9.445	19.042	73026	10	11.926	21.689	73098	19	2.618	23.028
72811	34	19.290	15.682	72883*	45	6.080	17.455	72955	14	10.377	19.762	73027	30	12.500	21.484	73099	10	3.070	23.334
72812	16	19.782	15.252	72884	13	6.438	17.392	72956	25	10.414	19.631	73028	10	12.620	21.691	73100	12	3.876	23.762
72813	16	20.014	15.138	72885	14	6.460	17.708	72957	11	12.058	19.594	73029	25	12.708	21.540	73101	26	3.909	23.790
72814	32	20.216	15.848	72886	10	7.582	17.185	72958	28	12.292	19.242	73030*	44	13.489	21.591	73102	10	5.320	23.426
72815	20	21.034	15.900	72887	10	10.750	17.612	72959*	54	12.722	19.211	73031	10	13.595	21.418	73103	10	6.326	23.434
72816	12	22.160	15.002	72888	10	11.004	17.041	72960	10	12.948	19.550	73032*	34	13.987	21.636	73104	18	7.262	23.774
72817	13	22.964	15.102	72889	39	12.375	17.532	72961	23	14.172	19.048	73033	18	14.466	21.309	73105	16	7.648	23.279
72818	33	22.988	15.810	72890	10	12.386	17.024	72962	10	14.560	19.623	73034	16	15.149	21.074	73106	31	7.880	23.390
72819	10	24.358	15.124	72891	24	13.240	17.007	72963	27	14.710	19.629	73035	17	16.682	21.774	73107	10	8.322	23.023
72820	11	25.090	15.914	72892*	57	13.937	17.568	72964	10	15.408	19.850	73036	17	19.609	21.284	73108	10	8.601	23.106
72821	10	25.279	15.139	72893	13	14.177	17.901	72965	26	15.673	19.661	73037	10	20.290	21.376	73109	10	9.286	23.278
72822	10	25.317	15.865	72894	16	14.340	17.574	72966	10	16.005	19.560	73038	35	20.890	21.593	73110	19	9.431	23.958
72823	15	25.522	15.830	72895	10	14.430	17.356	72967	11	16.166	19.185	73039	10	21.196	21.090	73111	12	10.400	23.640
72824	13	25.542	15.620	72896	10	14.530	17.140	72968	13	16.630	19.910	73040	43	21.993	21.373	73112	11	14.495	23.839
72825	11	0.530	16.377	72897	13	15.755	17.622	72969	10	16.830	19.540	73041	18	22.060	21.488	73113	21	14.496	23.600
72826	28	0.951	16.418	72898	10	17.100	17.578	72970	17	17.551	19.551	73042	17	23.121	21.884	73114	11	14.920	23.632
72827	10	1.150	16.070	72899	24	17.276	17.632	72971*	47	18.018	19.072	73043	17	23.446	21.826	73115	12	15.140	23.113
72828*	50	1.373	16.772	72900*	47	18.404	17.346	72972	11	18.089	19.758	73044	14	23.498	21.130	73116	23	15.556	23.230
72829*	44	1.402	16.300	72901	14	18.754	17.514	72973	22	18.853	19.874	73045	19	23.618	21.726	73117	17	16.309	23.890
72830	17	1.778	16.430	72902	10	18.821	17.809	72974	13	20.186	19.564	73046	41	23.714	21.840	73118	27	16.590	23.261
72831	41	1.930	16.110	72903	18	20.079	17.300	72975	13	20.654	19.276	73047	16	23.842	21.202	73119	16	17.704	23.850
72832	20	2.043	16.091	72904	10	20.436	17.277	72976	12	22.076	19.028	73048	10	23.864	21.500	73120	30	17.782	23.352
72833	10	2.380	16.450	72905	34	21.491	17.620	72977	25	22.618	19.374	73049	21	24.693	21.082	73121	11	18.125	23.391
72834	17	2.435	16.949	72906	25	22.220	17.375	72978	30	24.035	19.059	73050	22	0.750	22.914	73122	16	18.161	23.378
72835	35	2.690	16.320	72907	31	23.217	17.539	72979	17	24.232	19.061	73051	31	0.801	22.776	73123	11	18.508	23.270
72836	16	3.644	16.241	72908*	37	23.460	17.306	72980	10	24.994	19.228	73052	28	1.058	22.394	73124	18	19.466	23.641
72837	11	3.828	16.588	72909	10	24.516	17.582	72981	13	25.076	19.223	73053	13	1.520	22.410	73125	13	20.012	23.311
72838	16	4.264	16.433	72910	11	24.954	17.794	72982	29	25.100	19.219	73054*	32	1.560	22.390	73126*	45	21.415	23.710
72839	10	5.120	16.655	72911	29	25.394	17.660	72983	24	25.700	19.870	73055	10	2.260	22.132	73127	10	21.780	23.390
72840	21	5.832	16.312	72912	32	0.322	18.091	72984	19	0.248	20.604	73056	11	2.282	22.437	73128	24	22.010	23.824
72841	35	6.705	16.560	72913*	43	0.780	18.790	72985	11	0.965	20.480	73057	15	2.300	22.591	73129*	46	22.175	23.470
72842	10	7.083	16.355	72914	22	0.910	18.879	72986	10	1.474	20.384	73058	42	2.351	22.236	73130	39	22.233	23.708
72843	10	7.500	16.078	72915*	42	1.306	18.646	72987	19	2.233	20.848	73059	27	3.737	22.891	73131	32	23.012	23.050
72844	10	7.796	16.753	72916	44	3.438	18.770	72988	17	2.281	20.000	73060	19	4.028	22.790	73132	15	23.120	23.388
72845	10	7.826	16.398	72917	11	4.282	18.046	72989*	41	3.631	20.479	73061	29	4.054	22.381	73133	29	23.202	23.210
72846	12	8.564	16.686	72918	20	6.155	18.737	72990	24	3.660	20.781	73062	16	4.072	22.132	73134	34	23.876	23.372
72847	28	8.850	16.790	72919	10	11.467	18.961	72991	16	3.900	20.842	73063	35	4.926	22.426	73135	26	1.450	24.958
72848	34	9.152	16.758	72920	10	13.364	18.930	72992*	35	4.335	20.445	73064	10	5.717	22.210	73136	26	2.226	24.300
72849	10	9.330	16.960	72921	12	13.719	18.250	72993	29	4.495	20.418	73065	10	5.874	22.960	73137	24	4.139	24.377
72850	12	9.679	16.221	72922*	89	14.381	18.646	72994	28	4.968	20.840	73066	12	7.168	22.936	73138	11	5.278	24.716
72851	41	9.766	16.450	72923	25	15.215	18.031	72995	35	6.559	20.090	73067	14	8.574	22.800	73139	10	5.350	24.476
72852	10	10.034	16.536	72924	10	15.390	18.779	72996	23	7.048	20.699	73068	25	8.883	22.477	73140	10	5.520	24.051
72853	10	10.986	16.879	72925	12	15.620	18.786	72997	25	8.206	20.706	73069	24	12.796	22.600	73141	30	6.204	24.810
72854	13	11.032	16.323	72926	32	17.120	18.704	72998	10	8.365	20.150	73070	23	15.096	22.106	73142	12	7.535	24.738
72855	10	11.158	16.623	72927	10	18.064	18.960	72999	30	9.400	20.594	73071	19	15.272	22.986	73143	12	7.585	24.236
72856	10	11.351	16.629	72928	13	19.433	18.308	73000	13	9.849	20.330	73072*	44	16.150	22.758	73144	23	8.176	24.666
72857*	50	11.900	16.182	72929	16	20.645	18.012	73001	10	10.566	20.871	73073*	41	16.592	22.131	73145	10	9.402	24.822
72858	10	12.524	16.046	72930	25	20.770	18.186	73002	18	14.056	20.782	73074	10	17.016	22.397	73146	10		

73157	25	0-040	25-500	73216	33	18-061	0-451	73288	10	9-501	3-046	73360	34	15-244	5-770	73432	18	10-557	7-407
73158*	52	0-398	25-337	73217	10	18-090	0-373	73289	21	9-590	3-046	73361	24	15-617	5-515	73433	15	13-955	7-214
73159	10	0-434	25-186	73218	10	20-120	0-109	73290	12	11-300	3-596	73362	10	16-165	5-554	73434	14	13-980	7-478
73160	16	1-022	25-400	73219	10	2-825	1-951	73291	10	12-377	3-415	73363	30	16-198	5-852	73435	11	14-366	7-562
73161	15	1-458	25-342	73220	39	2-978	1-056	73292	26	12-530	3-616	73364	15	16-250	5-218	73436*	86	14-385	7-996
73162	13	3-284	25-900	73221	10	3-524	1-971	73293	10	13-096	3-794	73365	23	16-484	5-232	73437	28	15-420	7-950
73163	32	3-344	25-996	73222	10	6-678	1-088	73294	10	13-223	3-228	73366	24	16-589	5-696	73438	11	15-918	7-300
73164*	44	5-196	25-685	73223	13	7-635	1-995	73295	11	13-505	3-115	73367	29	17-799	5-086	73439	15	15-943	7-228
73165	32	5-610	25-370	73224	11	8-502	1-324	73296*	64	13-550	3-970	73368	11	19-609	5-541	73440	32	16-234	7-500
73166	22	6-666	25-304	73225	16	9-196	1-452	73297	10	13-630	3-412	73369	22	20-276	5-206	73441	12	16-519	7-656
73167	13	7-076	25-716	73226	21	9-720	1-711	73298	12	14-234	3-590	73370	17	20-525	5-681	73442	12	17-006	7-350
73168	10	8-742	25-424	73227	41	9-924	1-398	73299	32	14-389	3-996	73371	10	21-090	5-996	73443	16	17-615	7-727
73169*	35	12-965	25-010	73228	13	11-654	1-528	73300	33	15-344	3-862	73372	10	21-208	5-726	73444	11	19-444	7-979
73170	20	14-593	25-050	73229	18	13-217	1-458	73301	30	16-964	3-464	73373	12	25-166	5-554	73445	21	19-504	7-778
73171	18	15-384	25-526	73230	16	13-562	1-876	73302	32	17-544	3-652	73374	10	1-400	6-460	73446	10	21-285	7-566
73172*	41	15-676	25-626	73231	18	14-164	1-636	73303	10	17-797	3-409	73375	16	1-544	6-572	73447	11	21-374	7-262
73173	40	15-930	25-949	73232	11	14-308	1-581	73304	12	18-586	3-585	73376	21	1-940	6-614	73448	28	22-420	7-027
73174	12	16-515	25-940	73233	31	15-001	1-934	73305	30	20-328	3-608	73377	17	2-766	6-656	73449	10	24-571	7-898
73175	13	17-506	25-175	73234*	48	15-632	1-200	73306	11	20-556	3-614	73378	13	4-332	6-544	73450	10	0-040	8-224
73176	11	17-519	25-606	73235	15	15-894	1-664	73307	12	22-676	3-448	73379	11	4-566	6-111	73451	32	1-056	8-060
73177	27	18-405	25-432	73236	12	16-606	1-374	73308	10	24-108	3-748	73380	10	5-894	6-880	73452	33	2-460	8-669
73178	12	19-200	25-404	73237	10	16-894	1-089	73309	16	25-034	3-215	73381	23	6-770	6-104	73453	10	2-591	8-914
73179	10	19-234	25-115	73238	34	17-342	1-271	73310	20	1-566	4-350	73382	15	7-164	6-727	73454	32	2-604	8-635
73180	34	19-535	25-144	73239	18	17-635	1-143	73311	25	1-912	4-726	73383	31	7-558	6-350	73455	34	3-391	8-520
73181	17	19-906	25-792	73240	27	18-542	1-184	73312	14	3-160	4-669	73384	33	7-582	6-860	73456	33	6-715	8-060
73182	30	22-796	25-110	73241	23	20-245	1-062	73313	33	3-999	4-416	73385	21	7-693	6-450	73457*	47	7-117	8-950
73183	22	23-864	25-462	73242	13	20-974	1-755	73314	12	4-418	4-554	73386*	53	8-220	6-108	73458	23	9-137	8-416
73184	12	24-234	25-788	73243	37	22-022	1-876	73315	18	5-056	4-347	73387	18	9-340	6-185	73459	15	10-062	8-754
73185	10	24-390	25-959	73244	12	25-666	1-662	73316	30	8-202	4-740	73388	10	9-700	6-944	73460*	74	10-726	8-874
73186	19	24-570	25-919	73245	17	0-256	2-549	73317*	68	8-368	4-950	73389	28	10-094	6-700	73461	23	12-854	8-578
73187	28	25-011	25-058	73246	24	1-206	2-746	73318	29	8-576	4-376	73390	12	10-136	6-730	73462	33	13-082	8-142
73188	21	25-676	25-376	73247	10	2-566	2-326	73319*	40	9-982	4-125	73391	39	10-788	6-314	73463	10	15-622	8-027
73189	36	25-748	25-911	73248	10	4-594	2-844	73320	25	11-041	4-296	73392	11	11-642	6-354	73464	18	16-172	8-966
<div>R.A. 18^h 28^m</div> <div>Plate 2572; 1928 Apr. 20.</div> <div>Provisional Constants.</div> <div>A B C</div> <div>+00065 +00914 -4835</div> <div>D E F</div> <div>-00924 +00055 -3546</div> <div>Mag. = 16.4 - 0.096√d</div>				73249	10	5-482	2-916	73321*	52	11-900	4-654	73393*	46	12-002	6-630	73465	17	16-322	8-888
				73250	36	6-025	2-332	73322	10	12-575	4-610	73394*	37	12-640	6-800	73466*	50	16-602	8-630
				73251	10	7-156	2-418	73323	13	12-768	4-736	73395	29	13-645	6-412	73467	18	17-016	8-238
				73252	10	7-210	2-311	73324	15	13-290	4-650	73396	28	13-796	6-890	73468	10	17-188	8-129
				73253*	54	7-550	2-106	73325	28	16-018	4-421	73397	13	13-990	6-725	73469	23	17-452	8-502
				73254	28	8-410	2-750	73326	18	16-274	4-596	73398	20	14-290	6-975	73470	10	18-270	8-538
				73255	10	8-900	2-664	73327	15	16-318	4-141	73399	11	14-544	6-402	73471*	39	19-241	8-987
				73256	38	9-554	2-546	73328	13	18-447	4-164	73400	10	14-577	6-215	73472	10	19-428	8-316
				73257	25	9-790	2-856	73329	10	18-449	4-265	73401	29	15-010	6-781	73473	23	20-536	8-564
				73258	23	9-954	2-502	73330	10	20-119	4-212	73402	35	15-156	6-300	73474	12	21-026	8-504
				73259	10	11-433	2-048	73331	22	20-286	4-032	73403	14	15-324	6-254	73475*	46	24-270	8-055
				73260	30	11-671	2-580	73332	10	20-471	4-194	73404	25	15-481	6-208	73476	28	24-623	8-736
				73261	33	11-854	2-255	73333	10	20-607	4-205	73405*	54	16-495	6-240	73477	10	25-921	8-796
				73262	10	12-205	2-707	73334	10	20-610	4-866	73406	10	17-563	6-640	73478	12	0-119	9-020
				73263	11	13-824	2-464	73335	13	20-842	4-041	73407	24	19-219	6-532	73479	12	0-256	9-358
				73264	40	15-661	2-816	73336	11	21-032	4-940	73408	30	19-956	6-876	73480*	64	0-579	9-672
				73265	11	15-981	2-370	73337	21	22-166	4-011	73409	14	20-196	6-104	73481	10	0-618	9-796
				73266	26	16-186	2-531	73338	21	0-272	5-271	73410	31	21-036	6-939	73482	10	1-398	9-328
				73267*	85	16-224	2-530	73339	10	0-463	5-654	73411	10	21-413	6-723	73483	18	2-016	9-542
				73268	18	18-345	2-948	73340	35	2-255	5-296	73412*	66	23-236	6-740	73484	21	2-666	9-582
				73269*	42	18-741	2-921	73341	27	2-692	5-584	73413	10	23-266	6-448	73485	31	3-545	9-931
				73270*	46	22-478	2-904	73342	32	3-248	5-824	73414	24	25-165	6-618	73486	11	4-650	9-642
				73271	22	22-964	2-908	73343	24	3-576	5-170	73415	16						

73864	10	3.043	22.361	73936	38	24.864	23.178	74008	10	2.287	25.806	74065	10	9.497	0.665	74137	34	21.106	2.118
73865	22	5.066	22.533	73937	29	25.276	23.109	74009	20	2.621	25.930	74066	10	10.508	0.986	74138	58	22.366	2.242
73866	10	5.340	22.291	73938	21	25.972	23.464	74010	30	3.055	25.064	74067	38	12.274	0.375	74139	10	22.498	2.936
73867	17	7.133	22.660	73939*	42	3.229	24.110	74011	23	3.722	25.376	74068	38	14.018	0.801	74140	10	22.774	2.024
73868	10	7.418	22.240	73940	32	3.914	24.448	74012	36	3.800	25.910	74069	37	14.774	0.175	74141	42	25.316	2.327
73869	22	7.474	22.758	73941	27	5.186	24.935	74013	10	4.043	25.527	74070	41	15.026	0.794	74142*	60	0.172	3.136
73870	24	9.419	22.709	73942	25	6.044	24.476	74014	10	4.938	25.540	74071	15	17.492	0.335	74143	39	0.382	3.677
73871	27	9.686	22.147	73943	33	6.964	24.096	74015	10	5.210	25.877	74072	15	18.352	0.168	74144	39	0.658	3.136
73872	36	10.009	22.455	73944	10	7.254	24.862	74016*	39	6.243	25.533	74073	15	18.494	0.695	74145	14	1.816	3.960
73873	23	10.300	22.234	73945	11	7.800	24.874	74017	33	6.428	25.289	74074	35	24.408	0.656	74146	39	2.734	3.414
73874	11	10.734	22.052	73946	19	8.712	24.970	74018	24	8.010	25.020	74075*	62	25.045	0.986	74147	38	4.930	3.375
73875	10	12.330	22.200	73947	26	8.718	24.734	74019	24	8.542	25.396	74076	17	25.800	0.850	74148	39	5.678	3.070
73876	14	12.910	22.030	73948	14	9.493	24.300	74020	29	9.152	25.437	74077	12	1.558	1.834	74149	28	6.254	3.875
73877	13	13.474	22.301	73949	33	11.114	24.586	74021	31	10.470	25.249	74078	37	2.565	1.196	74150	38	7.965	3.736
73878	10	17.088	22.760	73950	13	11.450	24.608	74022	35	11.326	25.998	74079	44	3.346	1.854	74151	10	8.459	3.116
73879	10	17.417	22.856	73951	10	11.814	24.470	74023	100	12.166	25.835	74080*	96	5.492	1.268	74152	48	8.758	3.375
73880	13	17.690	22.561	73952	12	12.330	24.404	74024	10	16.324	25.129	74081	37	6.536	1.995	74153	38	9.308	3.684
73881	37	18.441	22.751	73953	12	12.686	24.230	74025	37	16.898	25.891	74082	36	8.028	1.470	74154	10	9.600	3.216
73882	13	18.669	22.720	73954	13	15.552	24.170	74026	32	17.509	25.144	74083	35	10.367	1.276	74155	50	11.492	3.992
73883*	45	20.126	22.630	73955	27	15.678	24.830	74027	15	17.799	25.888	74084	38	10.616	1.945	74156	25	11.944	3.686
73884	10	21.498	22.950	73956	13	17.498	24.996	74028	10	18.247	25.810	74085	39	11.594	1.604	74157	10	12.574	3.490
73885	11	21.754	22.625	73957	26	17.626	24.171	74029	10	18.354	25.042	74086	38	11.601	1.196	74158	32	12.650	3.592
73886	13	21.813	22.426	73958	11	17.667	24.228	74030	11	18.594	25.864	74087	33	12.374	1.485	74159	30	12.862	3.386
73887	10	22.136	22.036	73959	10	18.054	24.830	74031	12	18.624	25.640	74088	8	12.440	1.670	74160	38	13.392	3.080
73888	32	23.028	22.026	73960	10	18.410	24.036	74032	13	18.740	25.394	74089*	68	13.556	1.652	74161	13	13.892	3.454
73889	31	23.460	22.481	73961	10	18.420	24.334	74033	15	19.320	25.758	74090	9	14.136	1.918	74162*	78	14.236	3.733
73890*	57	23.936	22.120	73962	20	18.438	24.462	74034	15	19.520	25.912	74091	30	14.182	1.560	74163	30	14.594	3.208
73891	12	24.863	22.370	73963	27	18.564	24.018	74035	22	19.606	25.400	74092	10	14.486	1.068	74164	20	15.006	3.466
73892	10	25.090	22.539	73964	10	18.602	24.572	74036	14	19.829	25.132	74093	34	15.146	1.555	74165	14	16.643	3.095
73893	16	0.040	23.866	73965	13	18.606	24.368	74037	14	20.214	25.728	74094	39	15.422	1.266	74166	37	17.050	3.685
73894*	47	0.198	23.509	73966	10	18.630	24.514	74038	14	22.574	25.882	74095	40	17.314	1.196	74167	10	17.104	3.584
73895	37	0.260	23.745	73967	13	18.644	24.441	74039	21	22.830	25.004	74096	40	17.326	1.576	74168	35	17.222	3.336
73896	33	1.035	23.078	73968	16	18.666	24.467	74040	16	22.900	25.240	74097	38	17.784	1.353	74169	39	17.684	3.141
73897	15	1.144	23.414	73969	12	18.742	24.302	74041	13	23.238	25.612	74098	52	18.252	1.724	74170	41	20.878	3.708
73898	31	1.224	23.238	73970	17	18.758	24.352	74042	15	23.456	25.583	74099	41	19.894	1.764	74171*	48	21.412	3.104
73899	35	1.900	23.390	73971	15	18.796	24.270	74043	14	23.780	25.292	74100	46	20.312	1.285	74172	24	21.543	3.049
73900	11	4.251	23.735	73972	10	18.815	24.470					74101	34	22.424	1.606	74173	42	21.633	3.349
73901	12	4.850	23.466	73973	12	18.826	24.640					74102	36	23.376	1.847	74174	8	22.491	3.885
73902	15	5.310	23.638	73974	10	18.831	24.582					74103	43	23.880	1.676	74175	52	22.766	3.864
73903	10	5.336	23.840	73975	13	18.836	24.152					74104	50	23.926	1.736	74176	39	23.084	3.145
73904	10	5.775	23.854	73976	18	18.884	24.446					74105	32	24.336	1.983	74177	52	23.606	3.224
73905	11	6.393	23.400	73977	10	18.890	24.747					74106	39	25.142	1.417	74178	37	23.876	3.334
73906	10	6.795	23.919	73978	22	18.900	24.554					74107	48	25.224	1.482	74179	34	2.426	4.258
73907	38	7.628	23.078	73979	18	18.914	24.403					74108	44	1.056	2.846	74180	14	3.030	4.284
73908*	49	9.315	23.996	73980	13	18.945	24.653					74109	38	1.592	2.626	74181	10	3.066	4.436
73909	28	10.384	23.580	73981	11	19.000	24.266					74110*	70	2.028	2.577	74182	40	4.096	4.395
73910	10	10.548	23.474	73982	13	19.026	24.442					74111	38	3.330	2.465	74183	37	4.784	4.325
73911	10	11.630	23.082	73983	10	19.049	24.010					74112	35	4.512	2.366	74184	38	6.342	4.844
73912	15	12.020	23.630	73984	13	19.055	24.362					74113	40	4.722	2.000	74185	21	9.300	4.061
73913	11	12.061	23.899	73985	10	19.062	24.053					74114	17	4.789	2.805	74186	38	9.626	4.826
73914	12	13.190	23.091	73986	10	19.078	24.227					74115	38	5.742	2.355	74187	12	9.704	4.464
73915	11	16.215	23.580	73987	10	19.144	24.576					74116	35	5.994	2.638	74188	14	11.398	4.822
73916	31	17.194	23.146	73988	13	19.150	24.436					74117	44	6.896	2.874	74189	39	11.548	4.256
73917	10	17.672	23.646	73989	10	19.198	24.387					74118	34	7.804	2.857	74190	29	13.192	4.244
73918	11	18.425	23.208	73990	11	19.206	24.296					74119	38	8.462	2.694	74191	14	13.202	4.076
73919	10	18.439	23.752	73991	13	19.210	24.145					74120	37	8.493	2.606	74192	10	13.434	4.202
73920	11	18.452	23.450	73992	10	19.232	24.473					74121	38	8.494	2.455	74193	34	13.712	4.110
73921	10	18.624	23.992	73993*	27	19.232	24.511					74122	38	10.250	2.554	74194	38	14.028	4.575
73922	10	18.664	23.126	73994	16	19.240	24.140					74123	37	10.386	2.735	74195	40	14.106	4.588
73923	10	18.720	23.160	73995	11	19.326	24.232					74124	14	10.729	2.606	74196	28	14.432	4.040
73924	14	18.898	23.782	73996	11	19.332	24.192					74125	37	11.515	2.044	74197	14	15.132	4.755
73925	12	19.210	23.752	73997	13	19.350	24.260					74126	32	12.322	2.564	74198	22	15.214	4.556
73926	10	19.280	23.672	73998	23	19.466	24.384					74127	8	12.671	2.806	74199	14	16.284	4.300
73927	10	19.459	23.702	73999	12	19.789	24.038					74128	8	13.240	2.334	74200	41	16.428	4.378
73928	12	19.479	23.978	74000	14	20.220	24.632					74129	37	13.400	2.618	74201	12	16.441	4.664
73929	10	19.500	23.799	74001	10	20.746	24.940					74130	41	14.168					

74209	39	22.176	4.644	74281	10	15.108	6.738	74353	13	15.708	8.598	74425	37	14.974	10.091	74497	38	9.368	12.793
74210	21	22.405	4.551	74282	30	15.326	6.966	74354	28	15.924	8.735	74426	8	16.158	10.345	74498	10	9.544	12.318
74211	39	22.858	4.155	74283	39	16.116	6.425	74355	10	16.357	8.228	74427	38	16.700	10.526	74499	44	9.694	12.126
74212	10	22.932	4.401	74284	118	16.144	6.626	74356	52	17.038	8.378	74428	18	18.044	10.025	74500	36	9.787	12.295
74213	10	23.736	4.192	74285	17	17.470	6.889	74357	10	17.183	8.140	74429	8	18.565	10.716	74501	8	10.254	12.163
74214	34	23.769	4.265	74286	17	18.452	6.006	74358	10	17.894	8.504	74430	39	20.288	10.770	74502	48	12.188	12.124
74215	39	23.948	4.995	74287	37	19.076	6.973	74359	10	17.924	8.296	74431	19	20.864	10.040	74503	46	13.830	12.225
74216	8	25.198	4.876	74288	38	20.902	6.082	74360	18	18.444	8.765	74432	44	22.218	10.800	74504	16	14.736	12.634
74217	39	25.803	4.853	74289	14	21.275	6.584	74361	15	18.738	8.100	74433	54	22.296	10.964	74505	18	14.834	12.920
74218	41	25.985	4.532	74290	38	21.278	6.088	74362	15	21.750	8.191	74434	35	22.490	10.344	74506	46	15.089	12.766
74219	10	0182	5.752	74291	38	23.716	6.051	74363	36	24.678	8.070	74435	48	23.682	10.514	74507	35	15.486	12.045
74220	8	0.448	5.573	74292	36	24.008	6.874	74364	16	25.349	8.490	74436	37	24.882	10.516	74508	14	16.074	12.336
74221	38	2.894	5.755	74293	48	24.156	6.910	74365	16	25.468	8.742	74437	48	25.984	10.366	74509	21	16.174	12.915
74222	10	4.426	5.217	74294	15	24.458	6.503	74366	15	25.476	8.300	74438	38	0.038	11.124	74510	54	17.048	12.829
74223	74	4.504	5.432	74295	124	24.484	6.462	74367	40	0.802	9.787	74439	38	0.168	11.222	74511	16	17.114	12.426
74224	30	5.100	5.895	74296	37	25.566	6.036	74368	39	0.868	9.945	74440	16	1.222	11.484	74512	39	18.850	12.926
74225	34	5.204	5.160	74297	8	25.810	6.457	74369	10	0.886	9.697	74441	42	1.972	11.506	74513	14	19.864	12.876
74226	41	6.492	5.356	74298	36	0.168	7.260	74370	10	0.936	9.422	74442	35	2.084	11.323	74514	8	22.050	12.626
74227	33	6.884	5.375	74299	37	0.295	7.755	74371	15	1.310	9.190	74443	18	3.019	11.860	74515	10	24.228	12.888
74228	39	7.592	5.928	74300	37	2.593	7.186	74372	36	2.278	9.714	74444	8	4.040	11.656	74516	37	24.808	12.476
74229	48	8.674	5.135	74301	10	2.599	7.118	74373	8	2.635	9.860	74445	24	4.048	11.005	74517	26	25.132	12.438
74230	10	9.408	5.932	74302	10	3.127	7.434	74374	16	3.938	9.575	74446	38	4.216	11.015	74518	8	25.614	12.936
74231	74	9.544	5.370	74303	38	4.764	7.874	74375	35	3.997	9.926	74447	17	4.372	11.315	74519	26	25.672	12.215
74232	39	10.514	5.624	74304	38	4.936	7.306	74376	38	4.788	9.470	74448	25	4.649	11.005	74520	38	0.280	13.296
74233	39	11.100	5.245	74305	18	5.102	7.336	74377	60	4.888	9.322	74449	21	5.337	11.273	74521	38	0.735	13.294
74234	44	11.202	5.375	74306	38	5.400	7.884	74378	14	4.925	9.230	74450	13	6.195	11.378	74522	14	3.212	13.576
74235	32	11.969	5.020	74307	38	5.634	7.066	74379	19	5.394	9.480	74451	35	6.818	11.011	74523	32	3.979	13.473
74236	16	12.106	5.903	74308	15	5.766	7.506	74380	56	5.792	9.834	74452	10	7.132	11.956	74524	18	4.429	13.390
74237	20	12.472	5.456	74309	37	6.924	7.852	74381	29	5.994	9.145	74453	18	7.288	11.916	74525	15	5.586	13.116
74238	39	12.854	5.024	74310	37	8.158	7.424	74382	17	6.986	9.540	74454	38	7.968	11.702	74526	38	6.066	13.346
74239	54	13.074	5.058	74311	8	8.276	7.450	74383	104	7.393	9.652	74455	8	8.124	11.198	74527	41	6.100	13.980
74240	14	13.478	5.704	74312	15	9.274	7.446	74384	42	8.804	9.447	74456	15	8.376	11.070	74528	16	6.222	13.130
74241	68	13.776	5.785	74313	17	9.844	7.785	74385	37	9.134	9.299	74457	8	9.372	11.008	74529	37	8.158	13.664
74242	28	13.828	5.890	74314	31	10.748	7.956	74386	18	10.634	9.152	74458	15	12.072	11.900	74530	38	10.036	13.307
74243	32	16.511	5.615	74315	35	10.916	7.106	74387	38	11.814	9.750	74459	37	13.682	11.535	74531	14	13.426	13.844
74244	9	16.558	5.910	74316	42	11.217	7.886	74388	38	13.468	9.756	74460	14	14.091	11.720	74532	40	14.811	13.804
74245	9	17.409	5.520	74317	34	16.417	7.474	74389	11	13.955	9.362	74461	12	14.752	11.442	74533	32	15.058	13.996
74246	38	18.542	5.390	74318	37	17.312	7.585	74390	38	16.670	9.623	74462	35	15.080	11.384	74534	39	16.624	13.310
74247	35	19.893	5.405	74319	21	19.044	7.375	74391	35	17.127	9.726	74463	16	15.156	11.719	74535	44	16.828	13.855
74248	8	20.272	5.048	74320	50	19.188	7.965	74392	110	17.176	9.736	74464	16	15.406	11.576	74536	31	17.026	13.020
74249	37	20.394	5.814	74321	37	21.300	7.745	74393	60	17.956	9.125	74465	38	15.821	11.624	74537	8	17.490	13.337
74250	37	20.844	5.836	74322	38	23.700	7.115	74394	38	18.682	9.075	74466	37	16.248	11.475	74538	31	17.644	13.565
74251	48	22.468	5.958	74323	16	24.377	7.560	74395	8	20.326	9.070	74467	38	16.876	11.425	74539	60	18.575	13.816
74252	38	23.402	5.766	74324	37	25.086	7.552	74396	38	21.802	9.105	74468	38	17.512	11.445	74540	58	18.837	13.968
74253	39	23.444	5.210	74325	14	25.316	7.045	74397	37	22.226	9.244	74469	14	17.572	11.032	74541	42	20.358	13.305
74254	36	24.164	5.235	74326	60	2.026	8.266	74398	33	22.406	9.915	74470	25	17.635	11.530	74542	37	21.330	13.895
74255	34	24.716	5.910	74327	17	2.326	8.106	74399	38	22.834	9.934	74471	56	19.750	11.465	74543	41	22.654	13.234
74256	32	25.495	5.135	74328	38	2.392	8.944	74400	39	23.298	9.988	74472	38	21.375	11.755	74544	35	24.824	13.380
74257	52	25.556	5.275	74329	32	3.688	8.985	74401	10	23.554	9.159	74473	38	21.824	11.664	74545	48	24.953	13.781
74258	38	25.958	5.365	74330	20	3.916	8.922	74402	9	24.418	9.671	74474	35	22.802	11.445	74546	33	0.244	14.155
74259	15	0.543	6.400	74331	39	3.956	8.688	74403	39	25.390	9.186	74475	8	23.364	11.011	74547	16	0.554	14.635
74260	80	0.978	6.964	74332	34	4.000	8.517	74404	34	25.638	9.138	74476	38	24.440	11.345	74548	16	0.916	14.644
74261	10	1.005	6.675	74333	30	5.362	8.502	74405	14	0.314	10.260	74477	37	25.453	11.176	74549	40	1.254	14.162
74262	15	1.300	6.481	74334	46	5.722	8.164	74406	36	0.567	10.494	74478	38	0.174	12.354	74550	12	1.774	14.654
74263	28	1.695	6.084	74335	44	6.232	8.993	74407	10	0.598	10.526	74479	38	0.562	12.105	74551	28	2.200	14.274
74264	38	2.906	6.816	74336	16	6.684	8.959	74408	17	0.600	10.393	74480	18	0.576	12.394	74552	8	2.478	14.542
74265	28	3.094	6.598	74337	39	7.628	8.151	74409	36	0.626	10.388	74481	52	0.800	12.406	74553	92	2.584	14.933
74266	38	3.963	6.486	74338	17	7.700	8.002	74410	22	0.904	10.665	74482	10	0.894	12.658	74554	37	3.425	14.754
74267	52	4.994	6.024	74339	16	8.620	8.564	74411	10	2.388	10.474	74483	38	1.452	12.645	74555	14	4.808	14.300
74268	17	5.810	6.296	74340	14	8.954	8.725	74412	10	2.556	10.560	74484	22	2.030	12.416	74556	38	5.026	14.594
74269	42	6.282	6.804	74341	32	9.735	8.055	74413	48	3.153	10.214	74485	39	2.202	12.746	74557	32	5.136	14.346
74270	16	7.412	6.636	74342	33	10.128	8.984	74414	15	3.316	10.935	74486	17	2.368	12.572	74558	34	5.872	14.794
74271	39	7.724	6.386	74343	17	10.439	8.263	74415	14	4.181	10.973	74487	41	2.498	12.034	74559	39</		

74569	42	14-012	14-514	74641	26	6-525	16-705	74713	32	22-866	17-950	74785	14	24-005	19-246	74857	10	20-658	21-682
74570	38	14-568	14-655	74642	15	6-775	16-115	74714	38	24-186	17-655	74786	32	25-032	19-135	74858*	60	20-666	21-397
74571*	48	15-366	14-321	74643	40	7-418	16-336	74715	40	0-124	18-954	74787	21	25-556	19-955	74859	39	20-711	21-885
74572	8	15-404	14-458	74644	38	7-882	16-564	74716	38	0-430	18-462	74788	42	25-655	19-076	74860	26	20-762	21-516
74573	39	15-534	14-775	74645	42	10-112	16-165	74717*	98	0-934	18-478	74789	44	25-670	19-895	74861	57	21-605	21-182
74574	37	17-564	14-901	74646	38	10-838	16-955	74718	8	2-063	18-989	74790	17	25-904	19-322	74862	40	22-179	21-374
74575	37	17-567	14-520	74647*	74	11-026	16-234	74719	37	2-232	18-174	74791	33	0-485	20-125	74863	8	22-210	21-026
74576	38	17-608	14-342	74648	14	11-434	16-284	74720	38	2-795	18-724	74792	38	1-276	20-724	74864*	52	23-106	21-665
74577	38	17-756	14-265	74649	38	11-668	16-626	74721	36	3-036	18-505	74793	18	1-396	20-876	74865	17	23-985	21-486
74578	37	18-574	14-565	74650	42	12-046	16-375	74722	37	6-606	18-424	74794	38	1-546	20-183	74866	38	24-676	21-544
74579*	50	18-628	14-096	74651	44	12-276	16-146	74723	37	7-146	18-268	74795	17	2-342	20-669	74867	38	25-150	21-038
74580	17	20-210	14-775	74652	17	14-200	16-186	74724	15	7-266	18-070	74796	18	2-964	20-216	74868	38	25-560	21-636
74581*	60	20-628	14-135	74653	38	14-644	16-890	74725	38	7-825	18-556	74797	9	2-985	20-418	74869	94	25-738	21-274
74582	28	20-756	14-966	74654	17	14-762	16-674	74726	14	7-949	18-288	74798*	52	4-113	20-556	74870	38	0-076	22-276
74583	39	20-835	14-885	74655	39	15-014	16-414	74727	37	8-520	18-705	74799	10	4-182	20-930	74871	40	0-965	22-252
74584	8	20-905	14-188	74656	17	15-216	16-019	74728	15	10-115	18-304	74800	39	4-274	20-134	74872	38	1-402	22-701
74585	15	21-326	14-375	74657	38	16-559	16-466	74729	38	10-380	18-585	74801	14	5-492	20-696	74873	14	1-604	22-774
74586	76	25-687	14-984	74658	39	16-796	16-085	74730	38	12-762	18-255	74802	26	5-536	20-101	74874*	76	1-872	22-334
74587	24	0-065	15-235	74659*	98	17-050	16-482	74731	38	13-447	18-058	74803	40	6-452	20-134	74875	37	1-974	22-836
74588	8	0-123	15-196	74660	37	17-606	16-545	74732	9	15-483	18-249	74804	39	6-996	20-533	74876	32	2-656	22-198
74589	38	0-300	15-308	74661	17	18-222	16-092	74733	37	16-042	18-025	74805	17	7-765	20-455	74877	37	2-802	22-575
74590	30	0-420	15-264	74662	20	18-915	16-965	74734	18	16-144	18-370	74806	35	9-788	20-135	74878	32	3-030	22-736
74591	8	0-912	15-346	74663	42	19-038	16-974	74735*	55	18-372	18-634	74807	19	10-580	20-360	74879	17	3-336	22-776
74592	8	1-201	15-183	74664*	62	19-045	16-934	74736	22	18-772	18-714	74808	40	13-382	20-214	74880	32	5-150	22-625
74593	18	2-874	15-775	74665	39	19-606	16-775	74737	8	18-974	18-248	74809	8	14-142	20-109	74881	41	6-914	22-438
74594	36	2-894	15-552	74666	10	19-629	16-093	74738	11	19-410	18-700	74810	25	14-168	20-166	74882	21	9-215	22-286
74595*	146	4-224	15-884	74667	37	20-037	16-815	74739	39	20-312	18-704	74811	41	14-235	20-850	74883	30	9-895	22-706
74596	40	5-634	15-136	74668	38	20-695	16-578	74740	39	20-536	18-335	74812*	42	14-250	20-854	74884	8	9-909	22-718
74597	41	5-886	15-015	74669*	94	20-894	16-734	74741	24	21-290	18-536	74813	14	14-956	20-310	74885	18	10-394	22-884
74598	15	6-374	15-694	74670	38	20-974	16-736	74742	39	21-418	18-176	74814	12	15-826	20-936	74886*	48	10-411	22-714
74599	41	6-836	15-005	74671	14	22-437	16-665	74743	50	21-922	18-606	74815	32	16-126	20-865	74887	17	11-036	22-035
74600	14	7-550	15-925	74672	25	23-145	16-905	74744	39	22-290	18-445	74816*	52	18-672	20-566	74888	34	11-134	22-769
74601	28	7-856	15-275	74673	14	24-240	16-936	74745	38	23-638	18-544	74817	39	18-756	20-994	74889	18	11-415	22-674
74602	64	8-964	15-384	74674	18	24-488	16-425	74746	38	24-300	18-855	74818	30	19-575	20-377	74890	34	11-418	22-873
74603	13	12-411	15-374	74675*	56	24-574	16-694	74747	8	25-590	18-463	74819	16	20-045	20-305	74891	38	12-034	22-956
74604	39	12-762	15-174	74676	34	0-125	17-489	74748	35	2-738	19-474	74820	39	20-531	20-170	74892	26	12-744	22-326
74605*	80	12-956	15-302	74677	37	1-352	17-452	74749*	178	2-792	19-761	74821	38	21-512	20-934	74893	38	12-912	22-349
74606	39	13-855	15-777	74678	14	1-904	17-474	74750	44	3-412	19-266	74822	13	24-636	20-635	74894	18	13-208	22-592
74607	52	14-026	15-858	74679	17	2-525	17-914	74751	13	4-160	19-630	74823	34	25-334	20-255	74895	37	13-236	22-570
74608	13	15-028	15-704	74680	24	3-086	17-746	74752	38	4-160	19-492	74824	34	0-100	21-045	74896	35	14-706	22-556
74609	14	15-206	15-674	74681	14	3-525	17-325	74753	18	4-449	19-455	74825	21	0-166	21-654	74897	8	15-006	22-850
74610	38	15-210	15-375	74682	37	3-570	17-814	74754	37	5-344	19-912	74826	38	0-200	21-014	74898	17	15-244	22-414
74611	38	15-784	15-866	74683	16	4-047	17-585	74755	16	6-458	19-439	74827	28	0-623	21-776	74899	17	16-319	22-545
74612	33	16-255	15-665	74684	37	5-534	17-115	74756	17	7-073	19-330	74828	18	0-816	21-068	74900	29	17-036	22-200
74613	36	16-950	15-416	74685	37	5-838	17-855	74757	17	7-431	19-296	74829	18	1-496	21-524	74901	38	17-256	22-550
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74616	21	18-413	15-834	74688	36	6-831	17-804	74760	8	10-617	19-241	74832	36	3-588	21-117	74904	38	21-369	22-546
74617	13	18-940	15-574	74689	31	7-774	17-595	74761	38	10-658	19-156	74833	18	3-727	21-808	74905	8	24-600	22-100
74618	14	18-995	15-336	74690	38	7-806	17-026	74762	35	11-546	19-300	74834	34	3-808	21-788	74906	16	25-392	22-027
74619	39	19-862	15-743	74691	9	8-175	17-296	74763	32	11-864	19-544	74835	18	4-716	21-883	74907	18	0-446	23-375
74620	10	24-302	15-430	74692	38	8-184	17-166	74764	14	12-070	19-450	74836	38	5-806	21-872	74908	42	0-806	23-926
74621	17	24-804	15-450	74693	42	9-575	17-416	74765	39	12-086	19-534	74837	38	7-645	21-815	74909	18	1-922	23-206
74622	20	25-697	15-934	74694	39	10-214	17-663	74766	14	12-116	19-541	74838	54	7-950	21-903	74910	10	2-591	23-870
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74624	37	25-925	15-316	74696	48	11-842	17-886	74768	18	12-524	19-705	74840	38	10-378	21-696	74912	42	3-224	23-305
74625	42	0-314	16-430	74697	22	12-028	17-643	74769	37	12-764	19-788	74841	30	11-683	21-512	74913	39	3-926	23-652
74626	34	0-468	16-414	74698	30	12-632	17-325	74770	8	12-872	19-436	74842	18	12-352	21-365	74914	11	4-214	23-944
74627	28	0-784	16-673	74699*	78	13-064	17-212	74771	18	13-726	19-678	74843	25	13-075	21-994	74915	52	4-215	23-684
74628	54	0-820	16-566	74700	17	13-244	17-300	74772	37	15-096	19-985	74844	38	14-065	21-456	74916	12	6-150	23-218
74629	41	0-974	16-050	74701	28	13-408	17-449	74773	30	15-164	19-550	74845	13	14-372	21-086	74917	34	7-050	23-366
74630*	68	1-222	16-019	74702	38	13-812	17-480	74774	37	17-380	19-356	74846	25	14-446	21-185	74918	37		

74929	8	12.580	23.277	75001	14	3.254	25.364	75079	17	6.345	1.483	75151	18	18.720	3.854	75223	25	19.715	5.284
74930	25	13.179	23.206	75002	18	3.584	25.878	75080	18	6.865	1.700	75152	18	20.105	3.240	75224	84	19.758	5.816
74931	37	13.452	23.944	75003	15	3.747	25.145	75081	31	10.470	1.205	75153	19	20.374	3.865	75225	21	20.279	5.586
74932	8	14.066	23.065	75004	35	4.434	25.514	75082	40	10.544	1.366	75154	12	20.803	3.446	75226	19	21.648	5.620
74933	8	14.696	23.197	75005	15	4.486	25.935	75083	12	12.946	1.872	75155	15	21.091	3.802	75227	23	22.384	5.966
74934	44	15.575	23.652	75006	17	4.561	25.350	75084	22	14.720	1.436	75156	18	23.564	3.376	75228	24	24.426	5.406
74935	17	15.672	23.284	75007	18	4.985	25.056	75085	40	15.562	1.524	75157	22	24.105	3.136	75229	46	25.056	5.456
74936	26	16.472	23.975	75008	34	6.546	25.654	75086	112	18.360	1.223	75158	39	0.508	4.420	75230	32	25.384	5.432
74937	34	16.874	23.074	75009	10	7.296	25.600	75087	23	20.084	1.544	75159	24	0.606	4.710	75231	22	25.772	5.601
74938	23	18.029	23.788	75010	15	7.784	25.825	75088	38	20.126	1.805	75160	14	0.689	4.955	75232	34	0.254	6.518
74939	14	18.125	23.332	75011	15	10.744	25.346	75089	17	20.715	1.855	75161	19	1.520	4.804	75233	19	1.184	6.309
74940	38	19.176	23.874	75012	10	10.932	25.010	75090	28	20.930	1.698	75162	15	4.256	4.492	75234	20	1.506	6.585
74941	18	19.208	23.540	75013	40	11.462	25.905	75091	37	21.050	1.456	75163	26	4.485	4.934	75235	96	2.272	6.984
74942	54	19.436	23.714	75014	44	11.924	25.868	75092	12	21.910	1.388	75164	17	5.130	4.900	75236	23	2.501	6.426
74943	39	19.666	23.869	75015	100	15.028	25.327	75093	19	23.874	1.635	75165	28	5.404	4.328	75237	13	3.356	6.536
74944	8	20.528	23.334	75016	38	15.498	25.165	75094	40	24.876	1.976	75166	46	6.492	4.286	75238	24	4.480	6.016
74945	58	21.264	23.005	75017	39	16.400	25.164	75095	24	25.562	1.748	75167	26	6.634	4.077	75239	16	5.040	6.666
74946	8	21.368	23.648	75018	21	17.176	25.496	75096	42	0.076	2.804	75168	33	6.853	4.612	75240	18	5.624	6.876
74947	62	21.964	23.554	75019	41	18.830	25.244	75097	11	0.123	2.174	75169	20	6.964	4.305	75241	14	6.066	6.096
74948	44	22.872	23.105	75020	38	20.811	25.503	75098	17	1.082	2.385	75170	16	8.886	4.245	75242	22	9.700	6.065
74949	35	23.148	23.182	75021	39	21.540	25.075	75099	22	1.581	2.212	75171	22	11.066	4.064	75243	30	10.534	6.545
74950	8	23.940	23.444	75022	16	22.550	25.146	75100	35	1.626	2.270	75172	17	11.433	4.765	75244	33	11.587	6.205
74951	30	24.411	23.035					75101	15	2.045	2.505	75173	37	12.876	4.566	75245	26	12.316	6.126
74952	40	1.198	24.285					75102	27	3.026	2.832	75174	34	12.886	4.662	75246	19	12.536	6.541
74953	14	2.132	24.164					75103	23	6.372	2.690	75175	130	14.766	4.124	75247	18	14.466	6.556
74954	26	2.334	24.987					75104	22	8.294	2.296	75176	23	15.100	4.212	75248	19	15.100	6.025
74955	8	2.776	24.264					75105	23	11.426	2.526	75177	23	16.276	4.814	75249	13	15.154	6.564
74956	38	4.310	24.230					75106	20	12.386	2.644	75178	15	17.060	4.603	75250	32	15.267	6.790
74957	13	4.624	24.875					75107	13	12.412	2.552	75179	14	17.680	4.804	75251	18	15.528	6.776
74958	8	4.636	24.346					75108	17	12.472	2.432	75180	50	18.500	4.619	75252	23	15.742	6.205
74959	26	4.714	24.035					75109	11	12.630	2.764	75181	17	19.354	4.050	75253	26	16.188	6.974
74960	32	4.992	24.650					75110	35	13.142	2.050	75182	38	19.456	4.314	75254	21	16.192	6.386
74961	38	5.423	24.146					75111	16	13.154	2.324	75183	33	20.736	4.736	75255	72	16.297	6.116
74962	17	5.760	24.469					75112	15	13.248	2.412	75184	37	20.750	4.886	75256	16	17.090	6.665
74963	41	5.806	24.764					75113	37	13.366	2.034	75185	32	23.146	4.946	75257	18	17.540	6.520
74964	17	5.963	24.845					75114	23	14.148	2.986	75186	28	25.364	4.392	75258	16	17.646	6.206
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75689	11	15-740	22-340	75761	12	18-391	25-655	75840	30	18-050	1-164	75912*	40	5-707	5-498	75984	10	9-190	8-870
75690	12	16-040	22-511	75762	38	20-494	25-432	75841	16	18-465	1-934	75913	13	6-324	5-645	75985	10	9-851	8-438
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75693	14	18-361	22-322	75765	26	22-199	25-558	75844*	29	2-748	2-110	75916	17	10-363	5-544	75988	12	13-208	8-805
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75701*	54	24-816	22-856					75852	25	10-810	2-116	75924	12	18-670	5-785	75996	20	19-560	8-940
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75718	23	17-168	23-845					75869	22	7-650	3-158	75941	25	18-028	6-670	76013	10	4-314	9-898
75719	14	17-175	23-646					75870	36	8-754	3-540	75942	12	18-048	6-751	76014	21	5-818	9-0

76022	30	13.139	9.104	76094	12	0.288	12.411	76166	11	24.977	14.110	76238	10	14.534	17.245	76310	12	14.244	20.264
76023	11	13.836	9.515	76095	12	1.647	12.482	76167	11	25.326	14.881	76239	16	14.902	17.190	76311	10	14.320	20.716
76024	12	14.756	9.654	76096	31	3.846	12.708	76168	11	25.542	14.778	76240	15	14.982	17.527	76312	17	15.162	20.070
76025	10	15.934	9.945	76097	36	10.559	12.688	76169	24	25.698	14.400	76241	13	15.990	17.246	76313	10	15.189	20.181
76026	13	17.579	9.622	76098	25	14.728	12.455	76170*	32	2.866	15.036	76242	11	16.195	17.395	76314	10	17.336	20.435
76027	11	18.370	9.489	76099	14	16.164	12.826	76171	12	4.564	15.636	76243	13	16.592	17.650	76315	10	18.880	20.536
76028	10	19.314	9.538	76100	10	18.388	12.572	76172	10	5.091	15.692	76244	25	16.717	17.744	76316	10	19.229	20.300
76029	18	19.630	9.580	76101	10	19.139	12.022	76173	15	5.712	15.534	76245*	53	16.746	17.432	76317	20	19.748	20.804
76030	15	20.078	9.566	76102	11	19.254	12.671	76174	17	7.058	15.532	76246	12	17.085	17.161	76318	12	21.484	20.453
76031	12	21.040	9.701	76103*	57	19.806	12.686	76175	20	7.435	15.526	76247	12	18.215	17.104	76319	38	21.544	20.126
76032	12	21.426	9.318	76104	14	20.040	12.944	76176	14	7.661	15.356	76248*	40	19.940	17.560	76320	10	22.766	20.750
76033	12	22.676	9.744	76105*	43	20.836	12.111	76177	11	9.020	15.551	76249*	40	20.480	17.714	76321	12	25.400	20.652
76034	13	23.061	9.580	76106	10	22.556	12.384	76178*	50	12.124	15.008	76250	25	21.301	17.764	76322	29	2.140	21.262
76035	12	23.696	9.430	76107	14	22.849	12.868	76179	18	12.182	15.954	76251	25	22.536	17.605	76323	29	2.978	21.350
76036	21	24.884	9.581	76108	13	23.300	12.069	76180	13	12.260	15.621	76252	18	23.105	17.440	76324	10	2.978	21.544
76037	17	25.116	9.072	76109*	42	23.350	12.678	76181	12	13.588	15.548	76253	12	25.369	17.260	76325	11	3.657	21.425
76038	15	25.237	9.088	76110	12	23.707	12.634	76182	30	13.615	15.530	76254	13	0.030	18.466	76326	16	4.012	21.892
76039	22	25.328	9.699	76111	12	24.836	12.440	76183	20	13.900	15.288	76255	12	0.702	18.076	76327	22	4.218	21.854
76040	22	25.384	9.794	76112	14	24.886	12.228	76184	12	14.542	15.010	76256	22	4.216	18.963	76328	10	5.462	21.970
76041	13	25.919	9.546	76113	20	25.041	12.614	76185*	44	15.218	15.235	76257	12	4.425	18.580	76329	23	8.068	21.805
76042	15	0.070	10.064	76114	13	25.114	12.810	76186	12	15.772	15.755	76258	10	5.281	18.116	76330	12	8.319	21.410
76043	34	1.625	10.907	76115*	33	0.154	13.221	76187	12	15.843	15.910	76259	11	6.356	18.379	76331	13	8.346	21.448
76044*	58	2.220	10.579	76116	10	0.560	13.042	76188	11	15.963	15.606	76260	28	6.608	18.874	76332	13	8.525	21.984
76045	40	2.271	10.429	76117	18	1.245	13.441	76189	10	16.484	15.344	76261	12	7.196	18.546	76333	20	8.732	21.578
76046	17	3.296	10.626	76118*	34	1.809	13.538	76190	14	18.576	15.204	76262	13	7.386	18.009	76334	22	9.155	21.109
76047	19	4.014	10.456	76119*	51	2.176	13.126	76191	15	20.177	15.286	76263	21	8.625	18.202	76335	12	11.093	21.853
76048*	85	4.586	10.356	76120	30	7.268	13.366	76192	12	21.190	15.760	76264	26	8.965	18.016	76336*	33	12.773	21.674
76049	14	5.788	10.221	76121	29	7.934	13.735	76193	34	22.080	15.408	76265	12	14.552	18.930	76337	11	12.868	21.402
76050	12	6.142	10.532	76122	20	8.007	13.740	76194	11	1.460	16.871	76266*	34	15.014	18.400	76338	28	13.644	21.980
76051	16	6.185	10.524	76123	12	10.144	13.500	76195	10	1.660	16.014	76267	26	15.840	18.218	76339	10	15.390	21.345
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76055	19	13.389	10.075	76127	10	17.214	13.898	76199	19	4.545	16.476	76271	19	0.608	19.083	76343	17	21.442	21.507
76056*	51	14.024	10.199	76128*	43	17.443	13.575	76200*	110	7.134	16.372	76272	16	1.681	19.676	76344	22	22.806	21.264
76057	11	14.406	10.476	76129	15	17.930	13.542	76201	14	7.623	16.592	76273	23	3.285	19.471	76345	17	22.875	21.106
76058	28	15.256	10.320	76130	14	18.060	13.751	76202*	68	8.669	16.039	76274	32	3.845	19.560	76346	22	22.954	21.990
76059	12	16.770	10.010	76131	15	18.262	13.227	76203	30	8.797	16.790	76275	15	5.372	19.514	76347	10	25.214	21.344
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76061	13	20.285	10.186	76133	38	21.574	13.050	76205	10	9.026	16.433	76277	27	6.954	19.505	76349*	34	25.384	21.204
76062	12	20.889	10.428	76134	10	22.292	13.200	76206	12	9.426	16.582	76278	12	8.384	19.866	76350	36	1.374	22.493
76063	11	21.867	10.112	76135	22	22.764	13.086	76207	20	10.520	16.878	76279	11	9.730	19.681	76351	11	2.758	22.600
76064	22	21.934	10.327	76136	13	22.920	13.504	76208	28	11.171	16.566	76280	12	9.754	19.652	76352	11	2.830	22.074
76065*	66	22.649	10.581	76137	20	22.957	13.611	76209*	40	11.536	16.738	76281	14	10.869	19.640	76353*	48	2.965	22.984
76066	13	22.692	10.072	76138	29	23.490	13.076	76210	17	15.336	16.788	76282	12	11.683	19.265	76354	30	3.184	22.284
76067	10	23.042	10.424	76139	19	23.923	13.042	76211	27	16.717	16.775	76283	14	11.890	19.038	76355	20	3.988	22.580
76068	11	24.720	10.966	76140	19	25.069	13.988	76212	25	19.130	16.400	76284	20	13.473	19.739	76356	10	4.470	22.406
76069*	87	1.991	11.269	76141	15	25.748	13.001	76213	11	20.368	16.055	76285	12	14.951	19.300	76357	38	5.306	22.586
76070	15	2.074	11.224	76142	10	0.194	14.535	76214	17	21.774	16.257	76286	35	15.178	19.483	76358	17	5.874	22.607
76071*	35	3.132	11.052	76143	11	0.652	14.820	76215*	50	22.002	16.981	76287	10	16.772	19.648	76359	12	6.124	22.247
76072	20	5.077	11.598	76144*	26	1.002	14.754	76216	14	22.272	16.756	76288	13	18.352	19.468	76360	12	6.168	22.758
76073	11	6.105	11.561	76145	28	1.009	14.370	76217	12	24.366	16.194	76289	16	19.470	19.952	76361	14	6.271	22.188
76074	23	8.426	11.688	76146	45	2.098	14.081	76218	13	24.505	16.502	76290	29	20.100	19.552	76362	14	7.662	22.370
76075	10	9.086	11.318	76147*	36	2.945	14.026	76219	28	25.566	16.206	76291	12	20.215	19.216	76363	18	7.901	22.435
76076	10	9.630	11.050	76148	12	3.096	14.886	76220	15	0.160	17.077	76292	12	20.351	19.064	76364	13	9.818	22.253
76077	17	10.061	11.945	76149	14	3.345	14.921	76221	23	1.217	17.867	76293	10	20.474	19.427	76365	10	11.261	22.219
76078	32	12.982	11.985	76150	14	5.534	14.472	76222	13	2.552	17.328	76294	10	21.130	19.226	76366	15	11.740	22.506
76079	12	13.636	11.014	76151	15	6.672	14.160	76223	23	3.364	17.016	76295	20	21.658	19.644	76367	12	13.084	22.408
76080	11	14.200	11.515	76152	12	9.328	14.959	76224	25	3.793	17.848	76296	11	22.924	19.220	76368	10	13.657	22.152
76081	13	14.228	11.270	76153	27	10.540	14.481	76225	10	4.572	17.277	76297	23	23.794	19.210	76369	22	13.862	22.940
76082*	40	14.638	11.932	76154	12	13.419	14.568	76226	16	4.766	17.402	76298	10	25.742	19.879	76370	15	14.640	22.477
76083	18	15.565	11.084	76155	12	14.392	14.917	76227	12	5.492	17.856	76299	12	2.034	20.509	76371	11		

76382	14	19-060	22-628	76454	25	11-555	25-500	76540	10	18-354	1-954	76612	27	16-171	4-960	76684	39	7-728	7-510
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76393*	48	7-070	23-306					76551	33	8-233	2-112	76623	19	22-768	4-732	76695*	43	18-332	7-013
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76405	34	13-416	23-046					76563	18	23-142	2-654	76635	26	7-798	5-065	76707	10	1-534	8-540
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76409	13	15-730	23-420					76567	10	25-949	2-572	76639	29	13-284	5-896	76711	30	2-889	8-490
76410	12	17-365	23-518					76568	35	0-277	3-020	76640	10	13-366	5-343	76712	17	2-923	8-242
76411	10	17-690	23-118					76569*	49	1-660	3-605	76641	13	13-373	5-380	76713	17	3-158	8-008
76412	10	18-980	23-624					76570	16	2-105	3-860	76642	21	17-014	5-948	76714	11	3-257	8-408
76413	13	19-590	23-720					76571	13	2-500	3-406	76643	38	17-125	5-498	76715	28	3-451	8-849
76414	10	20-257	23-491					76572	11	3-207	3-390	76644	10	20-814	5-240	76716	33	3-822	8-342
76415	13	0-301	24-290					76573	31	7-313	3-882	76645	23	22-007	5-532	76717	20	7-084	8-430
76416	16	1-304	24-150					76574	12	7-335	3-894	76646	19	23-840	5-322	76718	12	7-380	8-200
76417	10	1-682	24-932					76575	10	9-216	3-336	76647	35	25-242	5-440	76719	11	8-752	8-367
76418	20	3-216	24-808					76576	10	9-497	3-570	76648	16	25-590	5-086	76720	14	9-868	8-906
76419	22	3-486	24-480					76577	12	10-740	3-700	76649*	33	1-125	6-448	76721	12	11-683	8-290
76420	11	4-886	24-375					76578	13	11-280	3-156	76650	14	4-510	6-847	76722	10	12-304	8-551
76421	27	5-226	24-731					76579	14	13-294	3-542	76651	12	4-760	6-863	76723	10	13-307	8-077
76422	12	7-476	24-251					76580*	38	14-452	3-552	76652	19	5-948	6-622	76724	12	14-500	8-671
76423*	37	8-210	24-910					76581	20	14-720	3-874	76653	27	7-755	6-546	76725	13	14-918	8-469
76424	38	10-340	24-664					76582	10	14-945	3-769	76654	14	7-961	6-896	76726*	71	15-480	8-500
76425*	31	10-350	24-696					76583	24	15-644	3-044	76655	32	9-667	6-570	76727*	41	16-765	8-486
76426*	39	10-714	24-200					76584	33	16-654	3-909	76656	21	9-720	6-420	76728	25	17-094	8-686
76427	10	10-774	24-149					76585	14	17-770	3-161	76657	12	9-756	6-218	76729	30	17-826	8-270
76428	10	11-285	24-764					76586	20	17-850	3-245	76658	17	10-508	6-411	76730	35	18-144	8-876
76429	13	12-008	24-230					76587	33	18-894	3-004	76659*	35	10-696	6-199	76731	12	18-672	8-892
76430	39	12-150	24-225					76588	40	21-468	3-411	76660	15	10-703	6-208	76732	11	20-486	8-946
76431	14	12-586	24-224					76589	15	22-072	3-440	76661	13	10-992	6-678	76733	30	20-566	8-044
76432	12	16-654	24-139					76590	22	22-632	3-470	76662	10	11-528	6-667	76734	17	21-659	8-333
76433	18	18-632	24-786					76591	23	23-085	3-794	76663	34	11-738	6-760	76735	10	22-543	8-486
76434	10	19-301	24-680					76592	14	23-103	3-394	76664	11	12-952	6-098	76736	34	25-106	8-484
76435	14	20-744	24-436					76593	12	25-280	3-594	76665	12	14-410	6-290	76737	10	25-644	8-927
76436	22	21-484	24-635					76594	35	0-660	4-006	76666	12	14-448	6-318	76738	11	1-080	9-834
76437	14	25-175	24-446					76595*	42	0-774	4-879	76667	32	14-455	6-263	76739	12	1-715	9-686
76438	12	0-390	25-724					76596	28	1-486	4-230	76668	11	14-872	6-620	76740	31	2-905	9-830
76439	12	2-222	25-316					76597	10	2-212	4-832	76669	14	15-456	6-706	76741	20	3-135	9-318
76440	25	2-265	25-039					76598	10	4-722	4-636	76670	35	15-751	6-767	76742	23	3-255	9-334
76441	19	2-566	25-129					76599	11	6-616	4-356	76671	10	15-897	6-728	76743	29	3-350	9-946
76442	11	2-606	25-512					76600	12	6-735	4-686	76672	17	17-002	6-988	76744	15	3-938	9-790
76443	27	4-124	25-737					76601	10	6-786	4-614	76673	12	17-292	6-564	76745	32	4-358	9-870
76444	16	4-774	25-162					76602	10	7-231	4-411	76674	10	19-200	6-590	76746	33	5-950	9-158
76445	21	5-365	25-520					76603	15	7-520	4-392	76675	30	20-898	6-914	76747*	69	7-794	9-214
76446	28	7-165	25-216					76604	15	9-150	4-908	76676	23	21-058	6-240	76748	28	8-288	9-126
76447	12	7-715	25-810					76605	12	9-538	4-385	76677	11	23-354	6-508	76749	13	8-526	9-826
76448	10	9-504	25-749					76606	10	10-376	4-234	76678	11	25-450	6-723	76750	10	9-060	9-644
76449	17	9-612	25-995					76607	9	10-680	4-988	76679	12	0-806	7-779	76751	11	11-544	9-814
76450	12	9-638	25-326					76608	10	11-386	4-865	76680	26	1-657	7-492	76752	22	12-240	9-982
76451	16	10-706	25-880					76											

76756	36	15.144	9.134	76828	16	18.016	12.049	76900	18	23.188	14.130	76972	12	18.624	17.036	77044	28	19.544	20.610
76757	33	17.135	9.746	76829	28	18.693	12.403	76901	10	24.452	14.308	76973	12	19.020	17.902	77045	11	20.355	20.772
76758*	39	22.399	9.680	76830	14	20.182	12.299	76902	18	25.900	14.210	76974	10	19.189	17.255	77046	14	20.508	20.006
76759	30	24.545	9.649	76831	18	20.656	12.291	76903	34	0.124	15.664	76975	12	19.489	17.019	77047*	42	20.760	20.134
76760	12	24.992	9.795	76832	12	21.441	12.930	76904	12	3.368	15.128	76976	35	20.960	17.461	77048	15	21.646	20.119
76761	15	25.065	9.394	76833	10	21.830	12.094	76905	12	3.582	15.020	76977	22	20.970	17.276	77049	36	21.794	20.379
76762	11	25.600	9.703	76834	10	23.164	12.834	76906	10	3.824	15.960	76978	30	21.650	17.474	77050*	42	22.008	20.755
76763*	74	0.669	10.838	76835	12	23.340	12.940	76907	15	5.738	15.054	76979	20	21.922	17.121	77051	10	23.676	20.524
76764	17	0.714	10.328	76836	28	25.018	12.459	76908	10	6.272	15.084	76980	31	24.102	17.760	77052	33	23.856	20.646
76765	10	0.742	10.666	76837	10	25.742	12.239	76909	33	6.382	15.536	76981	15	1.129	18.266	77053	20	25.382	20.691
76766	10	1.068	10.679	76838	25	25.773	12.920	76910	14	8.634	15.654	76982	12	3.939	18.232	77054	10	0.130	21.031
76767	31	3.406	10.041	76839	27	0.800	13.340	76911	12	11.500	15.336	76983	19	4.716	18.217	77055	27	0.878	21.519
76768	13	4.785	10.528	76840	19	0.884	13.122	76912	30	12.326	15.462	76984	18	5.762	18.060	77056	20	0.947	21.360
76769	30	5.700	10.394	76841	14	0.959	13.756	76913	28	15.838	15.260	76985	10	10.120	18.877	77057	10	3.404	21.313
76770	10	7.869	10.234	76842	17	0.994	13.866	76914	27	16.696	15.850	76986	10	14.436	18.952	77058*	39	3.450	21.450
76771	12	8.461	10.416	76843	30	1.524	13.329	76915	12	18.198	15.470	76987	10	14.780	18.768	77059	22	4.530	21.024
76772	12	12.332	10.494	76844	20	1.960	13.292	76916	10	18.280	15.173	76988	19	14.795	18.744	77060	25	6.987	21.728
76773	12	12.928	10.026	76845	17	3.147	13.054	76917	19	18.326	15.036	76989	26	15.035	18.206	77061	29	7.042	21.461
76774	12	12.999	10.816	76846	10	3.258	13.662	76918	22	18.386	15.274	76990	19	15.156	18.453	77062	10	8.806	21.776
76775	10	13.960	10.506	76847	28	3.784	13.246	76919	10	20.094	15.610	76991	33	15.450	18.380	77063*	40	11.040	21.444
76776	30	18.511	10.588	76848	10	4.460	13.544	76920	12	20.856	15.519	76992	24	17.187	18.444	77064	22	13.850	21.200
76777	35	19.394	10.666	76849	17	5.313	13.452	76921	24	21.941	15.846	76993	27	17.230	18.076	77065	12	15.336	21.771
76778	10	22.927	10.272	76850	37	5.704	13.446	76922	25	22.410	15.831	76994*	40	17.401	18.441	77066	16	16.107	21.018
76779	17	23.035	10.343	76851	20	6.716	13.370	76923	37	23.309	15.122	76995	12	17.714	18.726	77067	21	17.170	21.982
76780	29	24.983	10.963	76852	42	7.864	13.240	76924	13	24.394	15.830	76996	11	18.072	18.238	77068	13	18.677	21.210
76781	12	1.280	11.300	76853*	110	7.884	13.256	76925*	44	24.551	15.624	76997	33	19.464	18.851	77069	14	19.736	21.263
76782	15	2.750	11.214	76854	11	8.556	13.534	76926	20	25.359	15.908	76998	19	19.971	18.466	77070	19	20.091	21.264
76783	10	3.922	11.193	76855	12	11.795	13.212	76927	18	2.415	16.442	76999	12	20.316	18.824	77071	16	21.345	21.824
76784	12	4.334	11.414	76856	10	13.416	13.510	76928	16	2.554	16.750	77000	10	21.740	18.930	77072	19	21.587	21.944
76785	11	5.649	11.678	76857	30	14.543	13.220	76929	34	3.614	16.451	77001	13	22.110	18.570	77073	36	22.406	21.860
76786	10	5.849	11.184	76858	15	15.420	13.730	76930	10	3.686	16.369	77002	34	22.778	18.182	77074	12	22.620	21.910
76787*	44	6.492	11.032	76859	16	15.940	13.886	76931	26	5.145	16.546	77003	30	23.070	18.245	77075	40	25.075	21.866
76788	28	6.696	11.264	76860	10	16.018	13.297	76932	12	7.139	16.274	77004	27	23.676	18.874	77076	26	1.029	22.244
76789	10	7.654	11.847	76861	24	16.490	13.618	76933	16	7.608	16.897	77005	11	0.392	19.161	77077	14	1.378	22.391
76790	35	7.930	11.996	76862	29	16.710	13.912	76934	12	7.790	16.546	77006	13	0.990	19.474	77078*	55	2.377	22.836
76791	18	8.048	11.286	76863*	33	16.995	13.094	76935	10	8.204	16.406	77007	27	1.857	19.460	77079	13	3.035	22.655
76792	14	11.252	11.656	76864	28	17.262	13.600	76936	25	8.326	16.216	77008	23	4.610	19.285	77080	17	3.433	22.016
76793	15	11.922	11.766	76865	13	17.425	13.825	76937	16	8.950	16.110	77009	28	4.820	19.518	77081	15	4.874	22.184
76794	29	12.135	11.100	76866	27	18.246	13.465	76938	30	11.081	16.912	77010	10	5.866	19.058	77082*	35	5.506	22.739
76795	15	12.306	11.580	76867	10	18.278	13.630	76939	12	11.176	16.626	77011	15	9.424	19.760	77083	19	6.430	22.495
76796	16	12.354	11.841	76868	25	18.980	13.810	76940	29	11.910	16.868	77012	12	9.440	19.120	77084	10	6.498	22.348
76797	33	14.134	11.903	76869	12	20.366	13.058	76941	15	13.210	16.016	77013	10	9.790	19.650	77085	24	6.730	22.795
76798	15	14.162	11.896	76870	11	21.316	13.690	76942	19	13.704	16.705	77014	30	12.120	19.090	77086	12	8.248	22.381
76799*	44	16.241	11.340	76871	25	21.770	13.449	76943	25	17.892	16.138	77015	14	12.365	19.604	77087	12	9.324	22.000
76800	17	16.796	11.971	76872	24	22.383	13.383	76944*	39	17.977	16.162	77016	20	12.420	19.648	77088	18	10.455	22.991
76801	15	20.086	11.790	76873	15	23.986	13.240	76945	10	18.666	16.693	77017	10	13.588	19.716	77089	13	11.752	22.468
76802	10	21.468	11.330	76874	12	24.102	13.391	76946	21	18.820	16.333	77018	17	15.576	19.014	77090	26	13.745	22.658
76803	24	22.874	11.138	76875	13	24.246	13.780	76947*	46	18.845	16.622	77019	17	16.274	19.190	77091	11	15.356	22.766
76804	31	23.424	11.667	76876	12	1.315	14.858	76948	13	19.066	16.230	77020	16	16.415	19.812	77092	11	15.364	22.574
76805	28	23.666	11.423	76877	13	1.998	14.364	76949	15	19.368	16.936	77021	15	17.248	19.224	77093	22	15.422	22.061
76806	10	24.108	11.469	76878	10	2.198	14.249	76950*	75	20.306	16.860	77022	10	17.438	19.316	77094	13	16.822	22.638
76807	10	0.590	12.640	76879	12	2.661	14.454	76951	19	21.624	16.769	77023	10	18.268	19.653	77095	10	16.840	22.632
76808	12	1.330	12.321	76880	13	3.018	14.356	76952*	74	22.619	16.893	77024	32	19.149	19.940	77096	24	19.268	22.415
76809*	42	1.382	12.930	76881	24	3.106	14.236	76953	29	23.069	16.686	77025	10	19.161	19.155	77097	10	19.483	22.314
76810	12	1.800	12.887	76882	12	3.580	14.296	76954*	48	0.049	17.240	77026	18	20.566	19.798	77098	19	20.039	22.854
76811	15	2.870	12.688	76883	32	3.739	14.645	76955	17	0.325	17.012	77027	14	20.708	19.300	77099	12	21.470	22.810
76812	12	2.918	12.476	76884	35	4.604	14.070	76956	35	0.592	17.859	77028	25	21.085	19.161	77100	24	24.408	22.443
76813	29	3.073	12.862	76885	16	5.488	14.354	76957	23	1.160	17.691	77029	17	21.220	19.300	77101	12	25.736	22.768
76814	10	6.399	12.932	76886	19	8.232	14.900	76958	12	3.102	17.776	77030	11	21.450	19.370	77102	37	1.344	23.238
76815	18	9.835	12.851	76887	22	12.760	14.910	76959	11	3.425	17.504	77031	24	22.564	19.738	77103	19	4.398	23.316
76816	12	10.996	12.462	76888	23	14.609	14.280	76960	10	4.766	17.774	77032	12	25.264	19.400	77104	10	4.660	23.809
76817	25	11.200	12.734	76889	19	15.499	14.439	76961	27	5.512	17.852	77033	12	3.468	20.896				

77116	22	13.435	23.216	<div>R.A. 19^h 8^m</div> <div>Plate 2089; 1923 Oct. 13.</div> <div>Provisional Constants.</div> <div>A B C</div> <div>+00065 +01370 -6606</div> <div>D E F</div> <div>-01348 +00088 -3078</div> <div>Mag. = 15.9 - 0.96√d</div>	77256*	80	12.836	3.287	77328	10	13.425	7.930	77400	11	19.739	11.174
77117	24	13.888	23.711		77257*	50	14.015	3.490	77329	10	13.601	7.415	77401	24	20.584	11.245
77118	35	14.145	23.450		77258	40	14.830	3.020	77330	12	13.700	7.084	77402	13	23.866	11.802
77119	27	14.732	23.090		77259	12	16.855	3.504	77331	13	14.776	7.420	77403	14	2.584	12.466
77120	12	18.611	23.841		77260	14	17.755	3.122	77332*	33	15.115	7.670	77404	14	3.348	12.910
77121	12	19.026	23.024		77261	18	18.012	3.620	77333	22	15.640	7.054	77405	14	4.028	12.837
77122	31	19.985	23.071		77262	10	19.675	3.466	77334*	40	17.481	7.766	77406	31	7.415	12.513
77123	12	20.475	23.704		77263	11	20.373	3.650	77335	14	17.850	7.963	77407*	60	9.434	12.174
77124	11	20.552	23.755		77264	32	20.434	3.018	77336	10	19.389	7.938	77408	30	10.955	12.533
77125	27	20.683	23.132		77265	12	20.772	3.604	77337	15	20.400	7.360	77409	20	12.826	12.260
77126*	42	20.830	23.460	77266	13	0.166	4.792	77338	19	23.325	7.325	77410	10	14.154	12.170	
77127	14	21.712	23.874	77267	30	2.332	4.908	77339	25	2.585	8.490	77411	16	15.482	12.886	
77128	18	21.919	23.206	77268	14	2.829	4.684	77340	20	4.498	8.386	77412	13	19.751	12.795	
77129	10	21.919	23.950	77269	10	3.662	4.335	77341	12	5.246	8.948	77413	11	22.010	12.210	
77130	12	22.745	23.061	77270	13	5.040	4.436	77342	12	5.578	8.956	77414	20	22.458	12.187	
77131	10	25.160	23.566	77271*	56	8.586	4.854	77343	12	7.487	8.018	77415	27	23.450	12.956	
77132	20	3.262	24.692	77272	12	10.774	4.240	77344	19	11.848	8.864	77416	10	24.734	12.804	
77133*	31	4.422	24.677	77273	12	11.300	4.146	77345*	33	12.074	8.576	77417	13	25.720	12.275	
77134	10	5.829	24.876	77274	9	13.120	4.229	77346	22	12.346	8.870	77418	10	1.570	13.270	
77135	21	7.204	24.330	77275	10	13.606	4.588	77347	15	12.772	8.970	77419	16	7.020	13.357	
77136	15	7.838	24.280	77276	12	14.532	4.684	77348	25	14.240	8.570	77420*	40	7.436	13.424	
77137	11	7.938	24.944	77277	23	15.264	4.398	77349	10	15.391	8.964	77421	14	7.455	13.315	
77138	12	8.730	24.926	77278	11	15.360	4.466	77350	11	16.695	8.326	77422	12	7.740	13.331	
77139	23	9.046	24.300	77279	12	17.012	4.929	77351	20	21.646	8.640	77423	15	8.727	13.692	
77140	18	9.074	24.777	77280	11	21.397	4.638	77352	12	22.846	8.495	77424	22	9.350	13.716	
77141	22	10.708	24.474	77281	13	22.154	4.470	77353	14	23.544	8.446	77425*	45	12.383	13.755	
77142	11	11.035	24.560	77282	25	22.467	4.035	77354	23	25.244	8.860	77426	12	13.022	13.910	
77143	10	11.098	24.898	77283	10	22.527	4.950	77355	21	25.726	8.490	77427*	29	13.040	13.795	
77144	10	11.150	24.965	77284	15	23.044	4.019	77356	22	2.050	9.667	77428	12	13.541	13.020	
77145	10	11.452	24.117	77285	12	23.418	4.431	77357	10	2.500	9.802	77429	15	16.135	13.468	
77146	10	11.613	24.580	77286	17	24.474	4.186	77358	12	2.566	9.398	77430	20	16.376	13.784	
77147	21	12.129	24.052	77287	13	1.249	5.358	77359*	39	4.146	9.345	77431	10	17.934	13.846	
77148	14	12.670	24.010	77288	24	2.653	5.442	77360*	40	5.324	9.927	77432	16	18.418	13.524	
77149	29	13.356	24.020	77289	13	5.637	5.729	77361	20	7.166	9.680	77433	12	18.602	13.290	
77150	16	13.515	24.407	77290	19	9.412	5.526	77362	24	7.840	9.641	77434	24	19.699	13.662	
77151	23	13.576	24.326	77291	20	10.114	5.990	77363	24	8.385	9.420	77435	14	20.534	13.270	
77152	10	14.510	24.059	77292	13	10.545	5.624	77364*	73	11.476	9.365	77436	16	21.906	13.052	
77153*	43	16.122	24.940	77293	10	10.975	5.376	77365	12	13.191	9.990	77437*	36	22.570	13.520	
77154	29	16.350	24.960	77294	12	12.196	5.499	77366	15	14.212	9.757	77438	13	24.336	13.506	
77155	27	19.324	24.406	77295	10	12.750	5.559	77367	18	15.304	9.531	77439	22	24.714	13.912	
77156	11	20.576	24.208	77296	18	14.432	5.840	77368	11	18.615	9.436	77440	12	0.789	14.177	
77157	10	21.080	24.797	77297	11	15.748	5.823	77369	10	18.925	9.354	77441	14	3.506	14.196	
77158	13	21.990	24.340	77298	20	17.070	5.900	77370	24	22.660	9.602	77442	10	5.276	14.331	
77159	12	22.026	24.948	77299*	29	19.390	5.279	77371	13	22.707	9.168	77443	11	7.415	14.675	
77160	35	22.304	24.754	77300	13	19.624	5.246	77372	31	22.708	9.852	77444	11	9.908	14.302	
77161	28	23.160	24.206	77301	14	19.944	5.695	77373*	36	24.400	9.018	77445	15	9.932	14.346	
77162	27	24.670	24.332	77302	13	20.280	5.626	77374	18	24.835	9.388	77446	10	12.858	14.679	
77163	12	24.842	24.302	77303	12	20.552	5.854	77375	11	25.148	9.650	77447	13	14.212	14.370	
77164	10	25.396	24.424	77304*	45	20.680	5.346	77376	10	0.555	10.396	77448	10	15.804	14.230	
77165	31	0.194	25.485	77305	22	24.145	5.718	77377	20	2.516	10.971	77449	11	23.384	14.361	
77166	11	6.054	25.510	77306	14	24.819	5.486	77378	12	5.485	10.475	77450	12	23.794	14.006	
77167	16	6.394	25.960	77307	35	7.303	6.295	77379	11	8.905	10.374	77451*	25	24.526	14.730	
77168*	45	6.645	25.699	77308	17	7.390	6.120	77380	13	10.305	10.928	77452	14	25.390	14.600	
77169	33	6.940	25.846	77309	20	7.894	6.388	77381	19	13.760	10.476	77453	26	0.933	15.168	
77170	10	7.882	25.805	77310	18	9.911	6.046	77382	10	20.182	10.020	77454*	40	2.187	15.640	
77171	31	8.968	25.290	77311	20	12.102	6.833	77383	13	23.878	10.396	77455	23	3.685	15.259	
77172	10	9.691	25.049	77312	11	12.578	6.343	77384	10	25.135	10.778	77456	11	6.076	15.912	
77173	36	16.426	25.080	77313	15	12.802	6.124	77385	15	25.438	10.630	77457	14	7.296	15.253	
77174	15	19.679	25.460	77314	15	14.265	6.981	77386	11	25.782	10.443	77458	12	8.028	15.815	
77175	34	19.800	25.436	77315*	40	17.402	6.968	77387	14	0.412	11.191	77459*	65			

77472	19	23.580	15.084	77544	12	10.716	19.328	77616	14	23.863	22.440	77756	26	17.592	1.414
77473	12	23.638	15.509	77545	15	10.864	19.604	77617	10	23.945	22.506	77757*	46	20.452	1.459
77474	15	24.886	15.440	77546	13	11.936	19.703	77618	23	24.087	22.224	77758	15	3.226	2.418
77475*	73	0.278	16.955	77547	18	12.177	19.812	77619	10	0.548	23.117	77759	35	3.312	2.413
77476	15	0.730	16.735	77548	10	13.181	19.503	77620*	60	7.200	23.492	77760	14	4.392	2.349
77477	10	6.869	16.436	77549	11	16.462	19.762	77621	12	8.153	23.622	77761	16	4.583	2.417
77478	11	7.610	16.500	77550	11	17.443	19.366	77622*	44	10.020	23.086	77762*	54	4.648	2.276
77479	12	8.476	16.112	77551	10	18.424	19.607	77623	10	13.600	23.584	77763*	56	5.192	2.324
77480	26	8.675	16.262	77552	11	21.550	19.080	77624	11	17.154	23.990	77764	40	5.764	2.014
77481	15	8.865	16.227	77553	10	21.617	19.266	77625	17	18.151	23.854	77765	16	6.882	2.967
77482	12	9.756	16.226	77554	22	21.740	19.763	77626	13	19.770	23.150	77766	38	7.232	2.922
77483	19	10.963	16.976	77555	10	22.087	19.716	77627	15	20.280	23.999	77767	21	10.184	2.025
77484	22	11.101	16.994	77556	23	22.136	19.344	77628	10	21.878	23.883	77768	24	10.506	2.626
77485*	40	12.640	16.852	77557	13	25.525	19.762	77629	10	22.211	23.462	77769*	40	12.820	2.012
77486	11	13.004	16.540	77558	24	1.604	20.675	77630	13	22.866	23.366	77770	17	13.312	2.188
77487	18	14.350	16.614	77559	13	3.132	20.688	77631	31	0.145	24.820	77771	40	14.396	2.474
77488	20	16.520	16.679	77560	14	3.766	20.429	77632	18	0.986	24.252	77772	35	15.334	2.642
77489	24	17.164	16.910	77561	27	3.930	20.333	77633	17	2.501	24.345	77773	41	15.690	2.244
77490	10	18.707	16.596	77562	23	5.935	20.962	77634	11	2.672	24.310	77774	33	16.712	2.212
77491	24	18.862	16.218	77563	12	6.146	20.790	77635	10	4.936	24.514	77775	28	18.384	2.053
77492	13	21.750	16.480	77564	17	6.313	20.986	77636	12	7.441	24.596	77776	21	18.489	2.486
77493	23	22.195	16.040	77565	11	6.485	20.896	77637	22	9.697	24.890	77777	19	18.834	2.296
77494	14	22.875	16.644	77566	20	7.895	20.965	77638	16	11.060	24.595	77778	24	21.056	2.234
77495	22	22.910	16.084	77567	12	7.962	20.372	77639	12	11.431	24.429	77779	22	23.144	2.205
77496	12	23.590	16.901	77568	12	9.565	20.435	77640	12	11.485	24.765	77780*	66	24.106	2.270
77497*	48	24.474	16.934	77569	15	10.114	20.855	77641	14	12.939	24.530	77781	17	25.736	2.806
77498	16	1.786	17.786	77570	10	10.274	20.754	77642*	32	14.094	24.388	77782	35	25.795	2.933
77499	11	4.656	17.132	77571	10	10.760	20.737	77643	24	15.310	24.920	77783	36	1.306	3.018
77500	21	5.856	17.674	77572	15	11.234	20.826	77644	24	16.484	24.035	77784	16	1.538	3.074
77501	20	6.005	17.688	77573	14	13.985	20.945	77645	18	17.284	24.584	77785	35	4.176	3.474
77502	13	7.658	17.987	77574	10	14.465	20.600	77646*	34	17.594	24.745	77786	24	4.352	3.636
77503	13	9.532	17.566	77575	30	14.967	20.167	77647*	37	21.666	24.684	77787	17	4.432	3.644
77504*	36	10.131	17.415	77576	31	16.898	20.353	77648	21	22.659	24.400	77788	24	4.986	3.484
77505	26	10.460	17.706	77577	10	17.672	20.696	77649	14	25.152	24.821	77789	26	5.806	3.495
77506	21	11.602	17.590	77578	18	18.216	20.616	77650	19	25.724	24.545	77790	40	6.782	3.646
77507	15	13.130	17.116	77579	15	19.932	20.342	77651	13	1.647	25.902	77791	21	7.834	3.364
77508	22	13.195	17.294	77580	16	23.679	20.140	77652	11	3.380	25.454	77792	26	8.145	3.866
77509	12	14.925	17.204	77581	12	25.097	20.118	77653	10	3.570	25.107	77793*	52	9.394	3.847
77510	24	16.364	17.471	77582	22	0.180	21.925	77654	31	5.575	25.370	77794	21	9.856	3.174
77511	22	18.015	17.264	77583	10	0.398	21.966	77655	20	6.050	25.887	77795	24	10.200	3.726
77512	14	18.719	17.483	77584	28	2.846	21.868	77656	13	6.314	25.246	77796	17	10.476	3.624
77513	10	19.624	17.024	77585	10	7.165	21.662	77657	10	7.131	25.624	77797	31	10.802	3.648
77514*	52	20.355	17.213	77586	12	11.043	21.020	77658	10	7.500	25.550	77798	40	12.547	3.946
77515	11	22.494	17.676	77587	19	12.760	21.374	77659*	29	7.645	25.210	77799	14	12.762	3.017
77516	10	23.812	17.264	77588	16	13.810	21.302	77660	12	7.686	25.558	77800*	58	12.810	3.826
77517	10	23.956	17.018	77589	12	14.184	21.136	77661	28	7.789	25.525	77801	26	13.149	3.881
77518	11	25.829	17.063	77590	10	14.436	21.126	77662*	33	8.370	25.049	77802	39	13.389	3.072
77519	22	0.472	18.238	77591	13	15.485	21.120	77663	13	11.110	25.785	77803	31	13.409	3.296
77520	19	0.765	18.295	77592	10	15.870	21.398	77664	12	12.157	25.280	77804	39	14.484	3.758
77521	15	1.384	18.911	77593	34	15.927	21.996	77665	25	12.395	25.400	77805	24	16.266	3.479
77522	11	4.280	18.146	77594	10	16.636	21.769	77666	14	12.686	25.294	77806	21	16.512	3.728
77523	13	6.402	18.390	77595	12	19.262	21.504	77667	10	13.840	25.599	77807	16	16.650	3.752
77524	13	7.185	18.335	77596	10	19.925	21.850	77668	28	15.244	25.587	77808	32	19.300	3.592
77525	18	12.025	18.472	77597	18	20.372	21.990	77669	12	16.050	25.837	77809	26	19.512	3.641
77526	28	13.072	18.814	77598	10	20.512	21.948	77670	19	17.600	25.558	77810	15	20.228	3.924
77527*	30	13.574	18.392	77599	11	21.736	21.955	77671	24	17.615	25.565	77811	18	22.444	3.459
77528	16	13.665	18.860	77600	12	22.490	21.477	77672	20	17.669	25.626	77812	25	22.614	3.486
77529	16	18.920	18.884	77601*	31	23.820	21.782	77673	15	18.228	25.364	77813	43	23.196	3.326
77530	11	20.144	18.934	77602	19	2.195	22.461	77674	15	20.940	25.286	77814	32	24.091	3.766
77531	14	21.406	18.474	77603*	25	7.625	22.884	77675	28	21.010	25.782	77815	44	25.209	3.817
77532	19	22.099	18.745	77604*	40	7.768	22.076	77676	13	23.838	25.110	77816	19	0.266	4.256
77533	15	22.938	18.354	77605	12	8.252	22.228	77677	12	24.172	25.128	77817	38	0.456	4.445
77534	10	24.206	18.913	77606	10	10.260	22.071	77678	11	24.314	25.507	77818	24	0.834	4.854
77535															

77828	24	7-238	4-532	77900*	50	23-126	6-893	77972	18	9-605	9-216	78044	16	18-629	11-495	78116	24	23-076	13-364
77829	17	8-178	4-964	77901*	52	23-149	6-558	77973	16	10-714	9-155	78045	21	18-666	11-202	78117	19	24-526	13-746
77830	40	9-502	4-376	77902	41	24-593	6-473	77974	20	10-986	9-166	78046*	59	19-264	11-315	78118	28	24-612	13-238
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77833	32	11-676	4-324	77905	25	0-090	7-014	77977	17	13-624	9-232	78049	39	20-876	11-419	78121	25	1-308	14-424
77834	22	12-910	4-283	77906	30	0-770	7-746	77978	17	14-930	9-009	78050	50	20-946	11-884	78122	38	2-226	14-321
77835	22	13-449	4-974	77907	19	1-279	7-186	77979	14	15-860	9-323	78051	20	23-956	11-230	78123	26	2-912	14-998
77836	22	14-146	4-194	77908	20	3-406	7-176	77980	28	15-928	9-602	78052	21	23-979	11-646	78124	30	4-946	14-748
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77839	25	15-050	4-740	77911	12	5-034	7-026	77983	18	19-356	9-483	78055	24	1-356	12-222	78127	24	8-408	14-470
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77842	40	16-171	4-739	77914	19	6-128	7-492	77986	16	20-484	9-965	78058	32	5-564	12-310	78130	14	10-630	14-771
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77844	24	17-864	4-014	77916*	162	8-306	7-786	77988	23	22-214	9-794	78060	18	6-555	12-463	78132	26	12-272	14-806
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77846	17	18-614	4-672	77918	24	11-486	7-842	77990	15	24-160	9-658	78062	17	8-679	12-226	78134	32	13-288	14-156
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77849	21	20-231	4-604	77921	37	14-246	7-152	77993	40	0-178	10-282	78065	26	12-747	12-903	78137	17	16-318	14-195
77850	31	2-246	5-895	77922*	60	14-365	7-660	77994	21	0-448	10-284	78066	17	14-460	12-714	78138	22	16-464	14-586
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77857	19	7-276	5-801	77929	38	24-344	7-392	78001	17	5-168	10-926	78073	39	20-186	12-358	78145	20	24-834	14-142
77858	16	7-493	5-577	77930	42	25-823	7-614	78002*	46	5-874	10-664	78074	29	20-368	12-727	78146	16	25-112	14-362
77859	18	8-776	5-266	77931	24	0-304	8-921	78003	19	6-549	10-002	78075	23	20-694	12-158	78147	21	0-094	15-764
77860	28	8-955	5-480	77932	30	0-998	8-866	78004	19	8-225	10-456	78076	46	20-840	12-848	78148	12	0-545	15-717
77861	18	9-140	5-348	77933	17	1-748	8-365	78005	38	8-966	10-884	78077	28	20-997	12-756	78149	32	1-105	15-504
77862	15	9-584	5-304	77934	19	3-034	8-615	78006	35	9-383	10-141	78078	17	21-350	12-900	78150	23	1-170	15-930
77863	23	9-614	5-553	77935	37	3-184	8-886	78007	26	10-078	10-212	78079	39	21-768	12-842	78151*	40	2-046	15-138
77864	38	9-972	5-886	77936	24	5-774	8-092	78008	42	10-518	10-294	78080	16	22-361	12-219	78152	24	2-417	15-847
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77866	17	12-274	5-804	77938	12	4-610	8-325	78010	23	13-706	10-662	78082	16	23-541	12-135	78154	23	5-406	15-195
77867	24	12-813	5-443	77939	28	4-830	8-436	78011	26	15-386	10-710	78083	35	23-600	12-576	78155	21	6-961	15-566
77868	16	12-888	5-025	77940	40	7-902	8-698	78012	26	15-692	10-124	78084	28	24-583	12-050	78156	18	7-626	15-816
77869	21	13-934	5-704	77941	24	8-460	8-926	78013	37	16-176	10-742	78085	18	24-596	12-210	78157*	59	8-488	15-622
77870	37	17-735	5-276	77942	30	9-816	8-736	78014	24	17-540	10-726	78086	26	24-806	12-556	78158	16	9-433	15-894
77871	38	18-035	5-596	77943	33	10-450	8-584	78015*	64	18-770	10-396	78087*	42	0-076	13-950	78159	18	10-406	15-795
77872	20	18-350	5-516	77944*	54	12-968	8-056	78016	24	18-874	10-635	78088	37	0-950	13-376	78160	18	10-653	15-200
77873	26	19-330	5-052	77945	20	13-026	8-044	78017	38	19-204	10-462	78089	22	1-844	13-918	78161	26	10-707	15-032
77874	22	19-496	5-766	77946	26	16-291	8-462	78018*	52	19-312	10-117	78090	23	2-235	13-214	78162	23	11-236	15-996
77875	22	19-831	5-142	77947	18	16-958	8-742	78019	26	19-783	10-944	78091	17	2-581	13-751	78163*	46	11-504	15-194
77876	24	20-078	5-854	77948	19	17-504	8-042	78020	37	20-416	10-466	78092*	54	3-616	13-170	78164	22	12-278	15-594
77877	23	24-264	5-958	77949	22	19-882	8-566	78021	24	20-554	10-785	78093	26	3-995	13-719	78165*	48	13-096	15-156
77878	22	24-342	5-217	77950	23	20-323	8-905	78022	39	20-842	10-635	78094	16	4-362	13-826	78166	18	13-309	15-162
77879	38	1-572	6-134	77951	19	20-396	8-068	78023	19	21-620	10-064	78095	15	4-690	13-132	78167	14	13-469	15-874
77880	24	2-984	6-882	77952	44	21-782	8-659	78024	14	22-448	10-262	78096	19	5-524	13-395	78168	19	13-636	15-366
77881	15	3-224	6-442	77953	39	22-266	8-916	78025	17	22-950	10-910	78097	40	5-934	13-794	78169	22	13-975	15-350
77882	19	3-364	6-776	77954*	84	22-415	8-384	78026	24	23-493	10-336	78098	18	6-250	13-064	78170	18	14-326	15-393
77883	17	3-664	6-196	77955	17	23-478	8-434	78027	23	24-264	10-216	78099	19	7-082	13-811	78171	22	14-514	15-605
77884	22	3-968	6-408	77956	25	24-098	8-614	78028	20	25-244	10-665	78100	24	8-774	13-986	78172	15	16-154	15-154
77885	28	7-919	6-337	77957	40	24-208	8-636	78029	26	25-444	10-210	78101	16	8-852	13-644	78173*	40	16-778	15-614
77886	22	8-675	6-327	77958	26	24-866	8-719	78030	12	2-396	11-262	78102	33	9-158	13-944	78174	30	16-976	15-607
77887	24	8-787	6-190	77959	34	25-435	8-094	78031	23	2-525	11-434	78103	29	9-556	13-302	78175*	56	17-768	15-706
77888	21	8-954	6-986	77960	24	0-172	9-596	78032	17	2-614	11-184	78104	30	10-132	13-821	78176	38	18-044	15-462
77889	17	12-624	6-484	77961*	50	1-856	9-429	78033	26	2-916	11-033	78105	24	11-344	13-052	78177	19	18-270	15-062
77890	25	13-899	6-764	77962	14	2-060	9-827	78034	14										

78188	20	25.606	15.944	78260	22	5.265	18.006	78332	14	23.246	19.060	78404	28	1.465	22.856	78476	16	8.304	24.366
78189	37	0.445	16.512	78261	15	6.136	18.234	78333	19	23.319	19.705	78405	24	1.548	22.924	78477	31	8.856	24.432
78190	17	3.550	16.695	78262	28	6.554	18.954	78334	27	23.411	19.159	78406	38	1.686	22.641	78478	39	8.914	24.792
78191	14	5.790	16.553	78263	15	7.075	18.936	78335	17	24.208	19.335	78407	16	2.934	22.344	78479	26	8.945	24.862
78192	38	6.798	16.709	78264	21	7.646	18.352	78336	22	24.279	19.122	78408	30	4.401	22.483	78480	57	9.106	24.994
78193	27	7.030	16.931	78265	13	7.784	18.630	78337	33	25.476	19.543	78409	17	4.552	22.764	78481	17	9.172	24.412
78194	26	7.328	16.454	78266	18	8.502	18.268	78338	19	25.820	19.232	78410	25	4.585	22.004	78482	21	9.658	24.442
78195	14	7.755	16.452	78267	15	8.768	18.236	78339	20	1.036	20.440	78411	24	6.066	22.246	78483	31	10.800	24.938
78196	20	7.804	16.524	78268	14	9.046	18.072	78340	34	1.256	20.558	78412	12	6.210	22.738	78484	16	11.614	24.574
78197	11	8.158	16.682	78269	22	9.880	18.736	78341	18	2.045	20.942	78413	21	7.643	22.646	78485	34	13.614	24.726
78198	24	8.237	16.084	78270	13	11.244	18.576	78342	17	2.508	20.074	78414	18	7.724	22.292	78486	20	15.574	24.665
78199	14	9.266	16.636	78271	20	12.156	18.346	78343	23	2.676	20.524	78415	15	8.644	22.242	78487	30	15.621	24.249
78200	26	9.464	16.402	78272	22	12.306	18.756	78344	35	3.098	20.162	78416*	76	9.556	22.388	78488	20	15.914	24.958
78201	23	10.936	16.338	78273	16	12.874	18.642	78345*	28	4.634	20.926	78417	39	10.268	22.424	78489	16	16.510	24.894
78202	32	12.272	16.865	78274	18	13.342	18.772	78346	38	5.034	20.630	78418	17	11.086	22.970	78490*	24	20.164	24.560
78203	15	13.750	16.185	78275	25	14.440	18.052	78347	12	5.360	20.139	78419	14	12.680	22.222	78491	38	20.827	24.051
78204	18	14.016	16.638	78276	17	15.414	18.248	78348	11	5.458	20.788	78420	23	12.708	22.196	78492	33	24.965	24.158
78205	14	14.925	16.800	78277	11	15.467	18.108	78349	17	6.316	20.884	78421	24	13.770	22.586	78493	35	1.472	25.526
78206	15	15.171	16.664	78278	30	15.688	18.494	78350	24	6.894	20.085	78422	23	14.463	22.956	78494	30	1.804	25.543
78207	17	15.432	16.566	78279	36	16.972	18.840	78351	16	7.021	20.554	78423	17	14.788	22.502	78495	32	1.950	25.921
78208	39	15.586	16.034	78280	17	17.648	18.704	78352	18	7.561	20.200	78424	16	16.413	22.065	78496	35	2.780	25.224
78209	15	15.939	16.052	78281*	78	17.808	18.726	78353	20	7.838	20.074	78425	16	17.058	22.745	78497	78	3.146	25.612
78210	39	17.564	16.530	78282	32	19.040	18.722	78354	40	9.144	20.218	78426	19	17.232	22.234	78498	16	3.571	25.876
78211	32	21.774	16.437	78283	14	19.114	18.326	78355	32	9.497	20.907	78427	17	18.136	22.384	78499	16	3.848	25.885
78212*	70	22.226	16.626	78284	15	19.784	18.792	78356	26	9.525	20.492	78428	39	18.164	22.098	78500	28	5.036	25.975
78213	18	22.414	16.826	78285	17	20.120	18.714	78357	26	10.688	20.814	78429	16	19.480	22.480	78501	23	6.114	25.756
78214	21	22.462	16.894	78286	15	21.600	18.916	78358	22	11.456	20.647	78430	16	20.372	22.894	78502	34	7.744	25.208
78215	18	0.338	17.076	78287	21	22.043	18.110	78359	24	13.268	20.106	78431	16	20.560	22.453	78503	20	8.816	25.615
78216	26	0.417	17.074	78288	24	22.066	18.034	78360*	39	14.368	20.633	78432	26	21.526	22.752	78504	38	10.062	25.176
78217	24	1.134	17.322	78289	24	22.288	18.763	78361	28	14.690	20.821	78433	14	22.416	22.470	78505	19	10.148	25.256
78218	24	1.364	17.682	78290	26	23.398	18.900	78362	12	15.176	20.908	78434	25	22.485	22.195	78506	24	10.436	25.267
78219	18	1.501	17.434	78291	19	24.808	18.236	78363	20	17.453	20.785	78435	37	0.184	23.366	78507*	26	10.526	25.076
78220*	66	2.015	17.344	78292	19	24.925	18.844	78364*	60	18.195	20.234	78436	16	0.252	23.976	78508	24	10.800	25.294
78221	16	2.360	17.866	78293	23	1.772	19.325	78365	16	19.716	20.646	78437	30	0.481	23.794	78509	23	11.525	25.762
78222	19	3.372	17.462	78294	20	2.682	19.600	78366	26	19.788	20.467	78438	30	4.825	23.806	78510	37	11.575	25.688
78223	16	3.474	17.682	78295	23	4.475	19.802	78367	21	20.628	20.798	78439	33	6.190	23.106	78511	15	12.094	25.326
78224	22	3.600	17.632	78296	12	4.861	19.514	78368	22	20.764	20.950	78440	18	6.744	23.116	78512	15	13.086	25.244
78225	15	4.156	17.125	78297	24	5.711	19.334	78369	26	21.940	20.472	78441	20	7.106	23.381	78513	17	13.552	25.546
78226*	48	5.550	17.686	78298	17	6.845	19.596	78370*	42	21.988	20.062	78442*	70	8.700	23.544	78514	17	15.816	25.675
78227	23	5.974	17.810	78299*	60	7.188	19.649	78371	28	22.308	20.078	78443	22	10.150	23.285	78515	22	16.497	25.601
78228	30	6.844	17.686	78300	16	7.279	19.882	78372	18	22.910	20.032	78444	27	10.286	23.848	78516	20	16.954	25.984
78229	12	8.333	17.930	78301	16	7.934	19.671	78373	31	0.083	21.907	78445	26	11.127	23.504	78517	16	18.400	25.864
78230	40	10.080	17.025	78302	24	8.020	19.806	78374	17	3.400	21.126	78446	23	11.286	23.705	78518	18	18.538	25.959
78231	40	10.598	17.224	78303	14	8.350	19.076	78375	18	4.026	21.085	78447	16	11.428	23.665	78519	38	19.152	25.426
78232	14	12.698	17.586	78304	20	8.834	19.814	78376*	74	4.646	21.671	78448	21	12.200	23.586	78520	23	20.124	25.784
78233	24	13.166	17.666	78305	17	9.599	19.766	78377	30	5.088	21.006	78449	22	14.594	23.326	78521	23	21.169	25.489
78234	25	13.184	17.747	78306	16	10.482	19.666	78378	19	6.044	21.214	78450	17	15.380	23.558	78522	17	23.412	25.066
78235	28	13.256	17.589	78307	15	10.577	19.015	78379	23	6.184	21.476	78451	13	18.734	23.027	78523	17	23.480	25.505
78236	24	13.518	17.686	78308	32	10.670	19.482	78380	16	7.452	21.364	78452	18	18.811	23.636	78524	24	23.757	25.915
78237	16	13.642	17.439	78309	15	11.164	19.301	78381	16	8.214	21.846	78453	28	19.248	23.718	78525	32	23.846	25.985
78238	21	14.224	17.856	78310	15	11.348	19.056	78382	33	8.706	21.786	78454	14	19.258	23.274	78526	23	24.895	25.184
78239	21	14.659	17.932	78311	21	11.684	19.642	78383	16	9.349	21.498	78455	33	19.549	23.544				
78240	24	14.890	17.386	78312	22	11.714	19.644	78384	15	9.685	21.925	78456	22	19.580	23.513				
78241	25	15.385	17.524	78313	26	11.779	19.165	78385	15	11.733	21.480	78457	17	20.984	23.864				
78242	34	15.684	17.264	78314	16	12.214	19.151	78386	21	11.774	21.813	78458	34	24.384	23.828				
78243	32	17.516	17.728	78315	24	12.413	19.252	78387	34	12.127	21.906	78459	32	25.724	23.568				
78244	32	17.940	17.474	78316	38	13.393	19.792	78388	30	13.548	21.418	78460	38	25.786	23.304				
78245	30	18.775	17.230	78317	25	13.452	19.374	78389*	50	13.898	21.921	78461	36	0.282	24.828				
78246	15	18.825	17.242	78318	12	13.660	19.378	78390	16	14.276	21.708	78462	15	1.836	24.234				
78247*	76	19.164	17.058	78319	26	14.130	19.512	78391	30	16.510	21.708	78463	38	3.350	24.944				
78248	16	21.568	17.232	78320	14	14.253	19.242	78392*	52	16.612	21.956	78464	19	3.674	24.315				
78249	17	23.394	17.216	78321	19	14.529	19.446	78393	24	16.767	21.644	78465	18	4.211	24.264				
78250	24	24.316	17.198	78322	30	16.254	19.916	78394	17	18.054	21.164	78466	23	4.667	24.502				
78251	26	24.744	1																

[illegible]

78894	10	9-068	12-260	78896	14	11-788	14-468	79038	16	19-475	16-314	79110	12	21-790	18-700	79182	28	8-995	21-609
78895	19	9-349	12-775	78897	13	11-883	14-884	79039	25	19-623	16-920	79111	10	22-094	18-680	79183	18	10-321	21-253
78896	10	9-732	12-200	78898*	36	12-168	14-858	79040	18	19-634	16-202	79112	20	22-656	18-326	79184	19	10-376	21-533
78897	13	10-078	12-354	78899*	46	12-560	14-896	79041	9	19-780	16-407	79113	18	23-287	18-896	79185	11	11-023	21-790
78898	27	12-224	12-052	78900	9	13-328	14-870	79042	20	23-148	16-445	79114*	44	24-354	18-730	79186	10	11-158	21-885
78899	21	15-404	12-006	78901	9	13-374	14-204	79043	9	24-436	16-480	79115	11	0-228	19-420	79187	15	12-542	21-099
78900	14	18-337	12-410	78902	18	14-111	14-026	79044	12	24-856	16-790	79116	14	1-280	19-072	79188	19	12-664	21-023
78901	10	18-845	12-337	78903	20	14-305	14-210	79045	9	24-969	16-272	79117	9	1-366	19-567	79189	16	12-906	21-035
78902	15	18-968	12-436	78904	13	14-826	14-040	79046	10	0-964	17-324	79118	18	2-390	19-190	79190	14	13-148	21-192
78903	21	19-600	12-628	78905*	10	14-872	14-124	79047	15	1-376	17-133	79119	20	2-410	19-449	79191	27	15-673	21-910
78904	17	19-772	12-692	78906	37	16-047	14-083	79048	9	1-426	17-200	79120	10	3-210	19-612	79192	12	16-088	21-702
78905*	73	19-808	12-098	78907	45	17-360	14-574	79049	9	2-364	17-508	79121	13	3-278	19-398	79193*	42	16-127	21-678
78906	26	19-902	12-373	78908	24	23-086	14-598	79050	18	3-284	17-474	79122	14	3-921	19-108	79194	10	16-249	21-610
78907	26	20-566	12-926	78909	11	23-308	14-332	79051	8	4-541	17-220	79123	26	4-479	19-798	79195	12	16-790	21-497
78908	18	21-153	12-535	78910	20	23-372	14-937	79052	23	4-864	17-983	79124	12	4-824	19-483	79196	17	16-956	21-096
78909	13	21-426	12-677	78911	10	23-701	14-874	79053	10	5-520	17-796	79125	11	5-227	19-408	79197	10	18-927	21-711
78910	12	22-174	12-799	78912	24	24-758	14-631	79054	9	5-659	17-570	79126*	56	5-729	19-418	79198	19	23-054	21-097
78911	10	23-204	12-201	78913	9	25-974	14-005	79055	12	5-772	17-993	79127	14	6-252	19-245	79199	15	23-332	21-593
78912	12	23-634	12-852	78914	24	0-952	15-590	79056	18	5-796	17-643	79128	10	6-426	19-942	79200	10	23-610	21-406
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78915	18	0-076	13-923	78917	21	3-379	15-892	79059	8	7-428	17-392	79131	25	7-375	19-635	79203	17	24-600	21-070
78916	15	0-250	13-223	78918	11	3-708	15-754	79060	9	11-586	17-218	79132	11	9-838	19-828	79204	11	25-287	21-508
78917	16	0-570	13-460	78919	18	4-969	15-854	79061	26	11-674	17-974	79133	20	10-802	19-429	79205	20	0-888	22-162
78918	27	0-669	13-160	78920	12	5-664	15-701	79062	21	12-602	17-196	79134	18	10-872	19-511	79206	9	1-467	22-778
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78922	21	4-685	13-654	78924	8	8-516	15-049	79066	20	14-844	17-900	79138	12	18-027	19-568	79210	14	5-512	22-210
78923	19	5-286	13-838	78925	40	9-444	15-850	79067	8	15-962	17-970	79139	20	20-836	19-980	79211	9	5-588	22-268
78924	8	6-552	13-682	78926	16	10-597	15-166	79068	11	16-710	17-783	79140	12	21-284	19-926	79212	13	7-932	22-094
78925	17	6-732	13-332	78927*	16	11-018	15-826	79069	9	18-104	17-816	79141	10	21-730	19-244	79213	20	8-270	22-608
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78927*	58	7-738	13-730	78929	16	12-409	15-390	79071	13	21-167	17-634	79143	10	21-804	19-414	79215	12	8-888	22-826
78928	20	8-864	13-560	78930	8	16-586	15-421	79072	10	21-850	17-050	79144	13	23-107	19-782	79216	8	9-561	22-742
78929	19	11-249	13-362	78931	10	18-056	15-576	79073	9	21-988	17-756	79145	31	23-643	19-926	79217	20	9-720	22-178
78930	20	12-030	13-567	78932	10	19-029	15-158	79074	10	23-930	17-378	79146*	61	24-978	19-136	79218	14	12-886	22-572
78931	12	13-737	13-493	78933	26	19-490	15-174	79075	16	24-792	17-100	79147	10	25-102	19-645	79219*	36	15-111	22-294
78932	11	13-816	13-661	78934	9	19-564	15-536	79076*	42	25-698	17-592	79148*	38	25-371	19-514	79220	10	15-202	22-548
78933	10	13-968	13-384	78935	16	22-710	15-613	79077	10	0-798	18-238	79149	23	25-508	19-197	79221	18	15-552	22-864
78934	10	14-253	13-530	78936	38	23-150	15-026	79078	16	1-026	18-422	79150	17	0-960	20-784	79222	27	16-502	22-526
78935	9	14-847	13-891	78937	27	24-256	15-796	79079	20	1-048	18-347	79151*	39	0-996	20-374	79223	21	16-527	22-048
78936	20	16-378	13-868	78938	24	24-498	15-862	79080	8	3-051	18-440	79152	19	1-320	20-386	79224*	49	16-656	22-588
78937	9	18-081	13-042	78939	33	24-639	15-433	79081	17	3-725	18-156	79153	14	1-923	20-331	79225	14	16-694	22-819
78938	8	18-294	13-714	78940	13	25-470	15-865	79082	13	3-796	18-503	79154	11	2-048	20-140	79226	35	17-822	22-167
78939	10	18-394	13-516	78941	18	0-730	16-754	79083	12	5-374	18-063	79155	13	5-970	20-408	79227*	45	18-590	22-127
78940	11	18-956	13-937	78942	53	1-182	16-938	79084	20	5-445	18-544	79156	9	6-402	20-049	79228	14	18-598	22-162
78941	18	19-387	13-576	78943	9	2-890	16-030	79085	25	7-290	18-877	79157	14	6-586	20-908	79229	9	22-695	22-732
78942	22	19-576	13-246	78944	11	4-555	16-198	79086	26	7-577	18-748	79158	30	7-258	20-278	79230	20	24-028	22-628
78943	20	19-989	13-492	78945	25	6-019	16-670	79087	17	7-864	18-649	79159	11	8-212	20-800	79231	12	24-214	22-600
78944	10	20-391	13-331	78946	8	6-692	16-027	79088	25	8-423	18-841	79160	19	8-652	20-138	79232	8	25-922	22-791
78945	20	21-200	13-567	78947	16	7-128	16-743	79089	28	8-886	18-464	79161	20	9-448	20-144	79233	19	0-582	23-071
78946	17	21-446	13-620	78948	16	8-818	16-968	79090	11	9-402	18-308	79162	18	11-800	20-977	79234	9	3-835	23-960
78947	10	22-465	13-423	78949	13	9-056	16-252	79091	10	9-438	18-980	79163	17	15-083	20-414	79235	14	4-515	23-215
78948	17	23-056	13-200	78950	10	11-380	16-730	79092*	24	9-830	18-643	79164	11	16-447	20-965	79236	23	4-792	23-820
78949	10	23-611	13-607	78951	10	12-292	16-469	79093	9	10-418	18-910	79165	19	18-378	20-562	79237*	27	4-852	23-554
78950	9	25-370	13-696	78952	12	12-575	16-672	79094	14	10-606	18-527	79166	10	20-387	20-211	79238	17	6-352	23-198
78951	16	2-882	14-899	78953	9	13-575	16-420	79095	9	11-126	18-408	79167	8	20-881	20-189	79239	23	8-062	23-671
78952	11	3-440	14-020	78954	15	14-068	16-159	79096	10	12-746	18-074	79168	16	21-280	20-767	79240*	40	8-877	23-640
78953	11	3-754	14-409	78955	8	15-742	16-272	79097*	32	14-328	18-313	79169	22	21-498	20-292	79241	10	10-746	23-363
78954	10	4-034	14-624	78956	10	15-776	16-276	79098	15	16-655	18-379	79170	24	22-054	20-434	79242	9	10-980	23-410
78955	9	5-630	14-908	78957	45	15-852	16-703	79099	12	17-187	18-124	79171	13	22-112	20-092	79243	12	11-016	23-147

79254	17	18.242	23.505	R.A. 19^h 32^m Plate 2090; 1923 Oct. 13. <i>Provisional Constants.</i> A B C $+00080 +00668 +0862$ D E F $-00656 +00087 -3022$ $Mag. = 16.2 - 0.96\sqrt{d}$	79406	10	20.266	2.231	79478*	42	9.958	6.524	79550	13	4.541	9.760
79255	24	19.538	23.142		79407	20	21.560	2.900	79479*	51	11.349	6.383	79551	12	4.607	9.272
79256	23	21.754	23.054		79408	18	23.852	2.403	79480	11	11.364	6.885	79552	14	5.010	9.092
79257	17	21.950	23.270		79409	16	24.016	2.962	79481	10	13.488	6.302	79553	10	6.442	9.558
79258	10	23.154	23.842		79410	13	0.244	3.384	79482	31	13.665	6.494	79554	34	7.208	9.728
79259	8	23.314	23.532		79411	20	1.066	3.096	79483	10	14.077	6.616	79555	19	7.287	9.260
79260	9	24.387	23.678		79412	14	1.772	3.454	79484*	31	14.547	6.728	79556*	42	7.817	9.370
79261	13	25.302	23.552		79413	27	1.942	3.430	79485	14	15.014	6.664	79557	14	8.700	9.654
79262	10	0.058	24.190		79414	11	3.718	3.090	79486	13	18.764	6.214	79558	12	10.126	9.778
79263	11	2.785	24.749		79415*	53	4.216	3.306	79487	22	19.284	6.507	79559	10	12.112	9.480
79264	20	3.456	24.103		79416	11	5.162	3.326	79488	20	21.438	6.364	79560	12	12.763	9.434
79265	22	4.044	24.422		79417	17	7.490	3.126	79489	11	22.430	6.366	79561	17	15.984	9.425
79266	8	5.363	24.520		79418	10	8.565	3.878	79490	10	22.480	6.319	79562	10	16.854	9.690
79267	19	6.306	24.018		79419	10	11.742	3.025	79491	14	23.220	6.468	79563	14	19.910	9.014
79268*	36	6.588	24.486		79420	24	12.960	3.040	79492	10	23.284	6.940	79564	15	20.209	9.999
79269	28	6.776	24.036		79421	13	15.160	3.965	79493	10	23.307	6.544	79565	20	22.394	9.090
79270	24	7.176	24.598		79422	26	17.748	3.306	79494	10	0.051	7.358	79566	38	24.246	9.068
79271	18	7.523	24.685		79423	12	18.339	3.602	79495	14	0.438	7.530	79567	14	25.001	9.218
79272	8	7.866	24.592		79424	21	18.919	3.676	79496*	42	0.678	7.621	79568	22	0.890	10.022
79273	12	8.580	24.300		79425	10	21.544	3.735	79497	15	1.302	7.080	79569	13	0.910	10.488
79274	32	8.580	24.612		79426	12	21.909	3.825	79498	23	1.366	7.236	79570	23	3.327	10.329
79275	10	9.612	24.600		79427	10	23.034	3.504	79499	25	1.550	7.350	79571	20	2.363	10.046
79276	10	10.310	24.448		79428	37	23.516	3.198	79500	13	1.828	7.702	79572	13	3.238	10.774
79277	20	11.244	24.242		79429	19	0.215	4.965	79501	12	3.013	7.821	79573	15	5.872	10.650
79278	18	11.590	24.227		79430	19	1.044	4.260	79502*	29	4.800	7.599	79574	24	6.167	10.438
79279	9	12.342	24.560		79431*	44	2.469	4.560	79503	13	5.390	7.986	79575	20	6.548	10.272
79280	15	12.616	24.344		79432	13	4.276	4.030	79504	18	5.488	7.161	79576	21	7.115	10.360
79281	13	15.785	24.500		79433	12	6.486	4.578	79505	12	7.754	7.675	79577	9	11.066	10.385
79282	15	16.912	24.544		79434	9	7.131	4.477	79506	26	8.880	7.500	79578	16	11.156	10.233
79283	27	18.198	24.672		79435	10	9.232	4.212	79507	13	10.110	7.152	79579	16	11.968	10.544
79284	16	18.444	24.122		79436	12	11.136	4.664	79508	11	12.274	7.903	79580	11	12.110	10.100
79285	10	18.746	24.643		79437	12	11.262	4.598	79509	15	13.810	7.240	79581	10	12.190	10.770
79286	12	20.446	24.895		79438	22	13.314	4.445	79510	14	14.600	7.672	79582	10	13.250	10.810
79287	8	23.843	24.926		79439	10	15.482	4.855	79511	16	14.914	7.854	79583	28	14.393	10.604
79288	8	24.140	24.574		79440	11	15.878	4.570	79512	30	16.412	7.720	79584	14	14.556	10.434
79289	9	24.356	24.246		79441*	80	18.618	4.080	79513	19	16.448	7.550	79585	10	15.315	10.685
79290	10	0.270	25.813		79442	12	19.104	4.164	79514	16	16.790	7.274	79586	12	15.322	10.085
79291	12	2.507	25.356		79443	13	20.307	4.662	79515	12	16.910	7.596	79587	17	16.408	10.304
79292	11	2.582	25.793		79444	16	24.656	4.218	79516	8	20.366	7.440	79588*	49	16.662	10.235
79293	20	3.992	25.450		79445	9	1.532	5.358	79517	11	21.056	7.204	79589	31	16.920	10.664
79294	14	5.672	25.293		79446	10	2.458	5.186	79518	23	21.747	7.244	79590*	39	18.815	10.278
79295	26	6.698	25.904		79447	11	2.532	5.986	79519	13	23.942	7.293	79591	35	19.106	10.660
79296	26	7.991	25.640		79448	23	3.274	5.710	79520*	37	24.387	7.954	79592	14	19.505	10.680
79297	18	8.238	25.537		79449	12	3.726	5.115	79521*	35	0.518	8.560	79593	15	20.938	10.028
79298	10	9.678	25.974		79450	9	4.672	5.122	79522	14	0.832	8.240	79594*	34	21.295	10.560
79299	16	11.000	25.825		79451	27	5.055	5.450	79523	11	1.466	8.476	79595	10	22.300	10.450
79300	17	11.100	25.070		79452	19	6.198	5.925	79524	11	2.850	8.240	79596	16	22.556	10.613
79301	8	12.670	25.126		79453*	60	6.804	5.292	79525	21	4.300	8.280	79597	9	22.900	10.122
79302	11	13.569	25.074		79454	10	7.950	5.901	79526	12	7.075	8.860	79598	12	23.481	10.416
79303	21	14.152	25.192		79455	11	8.670	5.062	79527	11	7.970	8.986	79599	12	24.030	10.478
79304	16	14.607	25.960		79456	9	11.100	5.760	79528	10	11.371	8.442	79600	20	24.340	10.338
79305	17	14.800	25.607		79457	13	11.785	5.404	79529	10	11.524	8.943	79601	14	1.260	11.701
79306	9	14.842	25.934		79458	11	13.150	5.206	79530	13	12.270	8.699	79602	24	2.485	11.064
79307	30	17.163	25.790		79459	10	13.424	5.120	79531	12	12.508	8.236	79603	10	2.662	11.865
79308	37	19.612	25.448		79460	10	13.689	5.703	79532	11	12.942	8.099	79604	17	3.356	11.926
79309	17	25.283	25.094		79461	27	13.931	5.886	79533	18	13.444	8.613	79605	12	4.078	11.424
79310	9	25.300	25.599		79462	24	14.471	5.627	79534	12	13.980	8.986	79606	11	4.761	11.484
79311*	67	25.708	25.548		79463	15	14.592	5.057	79535	12	15.667	8.393	79607	11	5.850	11.367
					79464	12	17.070	5.962	79536	10	16.193	8.935	79608	11	6.794	11.473
					79465	20	17.560	5.754	79537*	38	16.966	8.854	79609	11	6.956	11.762
					79466	14	17.815	5.560	79538	10	17.077	8.150	79610	27	8.592	11.060
					79467	21	20.870	5.510	79539	20	17.094	8.620	79611	14	9.085	11.700
					79468	19	20.908	5.680	79540	20	18.726	8.540	79612	28	11.045	11.560
					79469	10	23.199	5.890	79541	24	19.375	8.936	79613	20	11.643	11.056
					79470	34	23.508	5.096	79542	26	19.405	8.742	79614	9	11.764	11.232
					79471	37	2.130	6.875	79543	18	21.604	8.294	79615	10	12.698	11.678
					79472	9	2.356	6.946	79544*	43	21.672	8.390	79616	11	14.014	11.184
					79473	15	5.360	6.146	79545	19	22.769	8.283	79617	10	14.438	11.390
					79474	13	6.035	6.540	79546	22	24.115	8.764	79618	29	14.671	11.712
					79475	21	6.072	6.162	79547	12	0.302	9.134	79619	18	16.212	11.693
					79476	14	7.773	6.292	79548	11	1.744	9.834	79620	28	17.138	11.640
					79477	20	7.966	6.765	79549	12	2.784	9.964	79621	10	17.166	11.108

70622	22	18-871	11-407	79694	10	1-674	14-972	79766	13	5-146	16-954	79838*	40	3-375	19-598	79910	12	22-506	20-268
70623	12	19-127	11-980	79695	22	2-727	14-720	79767	24	5-319	16-628	79839	25	3-514	19-280	79911	13	22-920	20-190
70624	10	19-397	11-257	79696	10	3-452	14-358	79768	8	5-326	16-456	79840	10	3-653	19-396	79912	10	23-434	20-146
70625	12	20-306	11-245	79697	12	3-938	14-584	79769	10	6-430	16-085	79841	43	4-550	19-810	79913	20	24-270	20-654
70626	13	23-048	11-527	79698	13	5-952	14-736	79770	13	7-188	16-770	79842	10	5-848	19-175	79914	28	24-681	20-140
70627	10	24-003	11-451	79699	25	6-415	14-364	79771	15	8-142	16-866	79843	10	6-620	19-756	79915	12	25-660	20-676
70628	10	24-220	11-502	79700	9	6-541	14-386	79772	24	9-150	16-710	79844*	66	6-713	19-020	79916	18	1-074	21-200
70629	18	24-588	11-553	79701	10	8-700	14-057	79773	13	9-488	16-150	79845	28	6-717	19-035	79917	15	1-358	21-693
70630	12	25-104	11-398	79702	10	9-824	14-870	79774	18	11-016	16-626	79846	20	7-224	19-994	79918	11	1-633	21-500
70631	12	0-132	12-079	79703	12	10-064	14-830	79775	10	12-035	16-660	79847	17	7-581	19-604	79919*	31	2-044	21-299
70632	0	0-083	12-118	79704	14	11-354	14-028	79776	10	12-055	16-590	79848	10	8-155	19-912	79920	17	2-620	21-163
70633	11	1-158	12-302	79705	15	12-321	14-458	79777	12	12-456	16-218	79849	10	8-925	19-744	79921	14	3-311	21-593
70634	12	1-592	12-951	79706	9	12-576	14-604	79778	10	13-633	16-366	79850	10	9-334	19-442	79922	15	7-532	21-643
70635	40	2-360	12-180	79707	13	13-180	14-505	79779	13	14-120	16-325	79851	16	9-420	19-487	79923	9	8-422	21-258
70636	12	3-838	12-896	79708	30	13-832	14-877	79780	14	14-250	16-113	79852	15	10-898	19-764	79924	11	9-038	21-931
70637	10	5-444	12-400	79709	14	15-994	14-494	79781	10	14-060	16-026	79853	10	11-316	19-418	79925	12	10-843	21-280
70638	9	5-600	12-104	79710	22	16-010	14-134	79782	32	16-342	16-144	79854	22	12-000	19-236	79926	15	11-290	21-594
70639	10	8-096	12-700	79711	17	17-020	14-151	79783	11	16-358	16-152	79855	12	12-676	19-726	79927	16	14-876	21-150
70640	21	9-364	12-080	79712	14	18-278	14-186	79784	10	17-035	16-556	79856	21	12-875	19-936	79928	26	15-280	21-780
70641	12	9-430	12-943	79713	10	18-450	14-140	79785	11	17-100	16-099	79857	14	12-960	19-027	79929	14	15-285	21-450
70642	8	9-744	12-534	79714	12	19-518	14-086	79786	12	17-126	16-252	79858	28	14-580	19-512	79930	13	17-032	21-514
70643	9	10-130	12-830	79715	21	19-638	14-617	79787	10	18-053	16-698	79859	10	15-157	19-098	79931	25	20-285	21-807
70644	15	11-065	12-122	79716	13	20-420	14-580	79788	19	18-480	16-070	79860	13	16-598	19-936	79932	27	21-548	21-532
70645	12	11-280	12-496	79717	14	20-438	14-730	79789	13	19-260	16-978	79861	11	16-712	19-188	79933	10	22-485	21-425
70646	11	13-937	12-524	79718	14	21-550	14-680	79790	14	19-368	16-760	79862	16	17-267	19-466	79934	8	22-680	21-604
70647	16	13-970	12-208	79719	16	21-666	14-904	79791	13	22-215	16-348	79863	13	17-645	19-976	79935	24	24-303	21-710
70648	22	14-231	12-664	79720	15	21-736	14-424	79792	10	25-169	16-220	79864	15	18-672	19-754	79936	11	25-603	21-450
70649	10	17-310	12-356	79721	10	22-598	14-145	79793	8	25-735	16-190	79865	34	19-013	19-323	79937	25	2-060	22-723
70650	25	17-520	12-675	79722	11	23-054	14-141	79794	13	1-920	17-473	79866	10	19-225	19-988	79938	14	2-246	22-694
70651*	52	18-062	12-076	79723	29	23-315	14-340	79795	18	2-780	17-188	79867*	75	19-732	19-328	79939	10	2-982	22-893
70652*	51	19-868	12-042	79724	12	23-979	14-890	79796*	43	3-686	17-675	79868	10	20-684	19-682	79940	11	3-957	22-871
70653	14	20-772	12-836	79725	13	25-177	14-192	79797	12	4-777	17-775	79869	38	21-736	19-830	79941	10	4-135	22-760
70654	28	20-957	12-824	79726	10	25-549	14-923	79798	11	5-043	17-810	79870	18	21-993	19-689	79942	15	4-170	22-278
70655	10	21-112	12-202	79727	14	0-088	15-717	79799	27	8-529	17-576	79871	17	22-411	19-384	79943	10	5-155	22-246
70656	10	21-608	12-307	79728	31	1-122	15-128	79800*	39	9-805	17-480	79872	26	22-694	19-166	79944	14	9-203	22-914
70657	21	21-922	12-064	79729	23	1-343	15-056	79801	11	9-882	17-453	79873	12	24-628	19-650	79945	12	10-374	22-118
70658	14	23-110	12-790	79730	27	2-235	15-889	79802	15	9-937	17-726	79874	26	24-924	19-100	79946	11	11-034	22-308
70659	11	23-597	12-140	79731	12	2-316	15-915	79803	9	12-427	17-277	79875	14	25-474	19-760	79947	22	13-111	22-816
70660	27	24-800	12-428	79732	24	2-476	15-953	79804	19	13-032	17-290	79876	17	25-732	19-684	79948	10	15-711	22-954
70661	14	25-500	12-474	79733	36	2-614	15-524	79805*	44	13-074	17-918	79877	26	0-066	20-544	79949	20	15-808	22-628
70662	10	0-424	13-530	79734	10	2-662	15-030	79806	9	13-725	17-345	79878	12	0-126	20-202	79950	17	16-154	22-244
70663	14	1-013	13-302	79735	13	3-452	15-049	79807	10	14-620	17-550	79879	8	1-335	20-543	79951	10	16-268	22-272
70664	10	1-576	13-703	79736*	48	4-088	15-298	79808	27	15-669	17-393	79880	31	1-650	20-024	79952	14	17-950	22-594
70665	11	1-955	13-262	79737	10	4-698	15-466	79809	20	16-114	17-948	79881	12	2-060	20-592	79953	10	18-391	22-060
70666	11	3-334	13-782	79738*	34	5-406	15-934	79810	11	18-753	17-520	79882	11	2-723	20-840	79954	10	19-238	22-463
70667	10	5-111	13-479	79739	12	5-470	15-226	79811	19	19-332	17-866	79883	10	4-514	20-347	79955	10	19-596	22-346
70668*	37	5-260	13-644	79740*	30	7-250	15-130	79812*	36	21-062	17-362	79884	15	4-872	20-472	79956	13	20-118	22-228
70669	10	5-560	13-492	79741	18	8-548	15-008	79813	16	21-716	17-960	79885	14	5-605	20-750	79957	28	21-062	22-926
70670	14	6-234	13-479	79742	28	8-550	15-718	79814	11	23-286	17-930	79886	12	6-797	20-514	79958	25	21-458	22-420
70671	10	7-892	13-616	79743	12	8-566	15-888	79815	20	23-400	17-330	79887	15	7-470	20-500	79959	33	21-609	22-700
70672	14	8-668	13-824	79744	10	9-106	15-358	79816	15	23-431	17-250	79888	15	9-046	20-980	79960	11	22-981	22-760
70673*	39	8-990	13-110	79745	10	9-589	15-966	79817	14	24-900	17-650	79889	9	9-428	20-800	79961	34	23-191	22-295
70674	12	0-592	13-480	79746	17	9-831	15-401	79818	10	25-470	17-420	79890	9	9-750	20-699	79962	44	24-434	22-430
70675	11	11-072	13-941	79747	29	10-725	15-924	79819	10	0-098	18-790	79891	24	9-910	20-520	79963	27	24-836	22-316
70676	10	12-710	13-867	79748	10	11-497	15-620	79820	21	0-654	18-434	79892	16	10-154	20-478	79964	20	25-550	22-585
70677	12	13-484	13-045	79749	40	11-947	15-246	79821	16	1-289	18-998	79893	15	11-414	20-270	79965	10	1-356	23-634
70678	10	13-674	13-302	79750	18	14-855	15-718	79822*	46	2-350	18-821	79894	10	12-520	20-158	79966	10	2-432	23-770
70679	12	14-094	13-830	79751	25	15-312	15-568	79823	26	4-534	18-890	79895	10	12-568	20-233	79967	14	3-344	23-636
70680	33	14-096	13-906	79752	10	16-881	15-970	79824	12	5-023	18-828	79896	20	12-695	20-974	79968	20	4-200	23-062
70681	14	14-173	13-446	79753	21	17-312	15-875	79825	11	6-099	18-746	79897	10	12-699	20-140	79969	15	4-356	23-000
70682	23	14-360	13-400	79754	13	18-288	15-466	79826	10	6-112	18-091	79898	12	12-950	20-706	79970	10	4-505	23-272
70683	14	15-033	13-162	79755*	33	23-971	15-094	79827	15	9-334	18-162	79899	9	13-140	20-200	79971	27	4-6	

79982	21	16.903	23.370	<div>R.A. 19^h 40^m</div> <div>Plate 2094; 1923 Nov. 6.</div> <div>Provisional Constants.</div> <div>A B C</div> <div>+00069 +00421 -9717</div> <div>D E F</div> <div>-00375 +00073 -3380</div> <div>Mag. = 15.7 - 0.96√d</div>	80106	11	21.886	2.261	80178	10	8.888	6.373	80250	11	15.369	9.172
79983	12	18.390	23.694		80107	26	21.888	2.724	80179	12	11.063	6.574	80251	12	15.449	9.866
79984	19	19.974	23.117		80108	31	25.018	2.411	80180	11	13.332	6.392	80252	10	15.985	9.690
79985	14	21.230	23.712		80109	32	0.214	3.324	80181	23	13.628	6.044	80253	10	16.152	9.732
79986*	56	21.662	23.174		80110	15	0.718	3.080	80182	12	14.695	6.289	80254	10	16.265	9.514
79987	34	22.200	23.874		80111	34	4.014	3.314	80183	17	14.880	6.242	80255	10	17.844	9.960
79988	12	22.605	23.041		80112	10	5.122	3.385	80184	13	15.474	6.191	80256	10	19.700	9.689
79989	28	22.760	23.214		80113	19	7.035	3.899	80185	10	15.875	6.754	80257	29	19.930	9.182
79990*	69	23.356	23.014		80114	25	9.300	3.692	80186	10	15.954	6.480	80258	12	20.283	9.824
79991*	52	24.724	23.257		80115	22	10.610	3.530	80187	23	17.839	6.600	80259	19	21.024	9.659
79992	20	4.332	24.943	80116	25	10.619	3.534	80188	10	19.465	6.534	80260	10	22.723	9.852	
79993	10	7.857	24.624	80117	24	10.766	3.470	80189	11	20.440	6.866	80261	11	23.814	9.760	
79994	14	11.874	24.422	80118	27	11.151	3.994	80190	11	20.656	6.109	80262	10	24.530	9.990	
79995	11	12.220	24.155	80119	12	11.386	3.475	80191*	32	24.036	6.330	80263	24	25.123	9.560	
79996	11	15.784	24.742	80120	14	14.471	3.288	80192	23	25.220	6.251	80264	34	25.170	9.225	
79997	25	15.872	24.752	80121	15	17.430	3.326	80193	10	0.026	7.070	80265	10	0.261	10.540	
79998	10	16.860	24.500	80122	33	18.132	3.606	80194	12	0.690	7.413	80266	11	0.810	10.598	
79999	12	17.173	24.452	80123*	37	19.112	3.880	80195	31	3.408	7.239	80267	14	1.118	10.454	
80000	12	17.312	24.868	80124	33	20.073	3.302	80196	11	4.059	7.286	80268	10	4.643	10.219	
80001	10	17.625	24.766	80125	17	24.254	3.444	80197	12	4.180	7.866	80269	10	5.914	10.891	
80002	17	17.728	24.488	80126	12	25.632	3.598	80198	10	5.320	7.608	80270	22	7.892	10.016	
80003	9	18.194	24.191	80127	15	1.370	4.330	80199	11	5.450	7.030	80271*	45	8.571	10.042	
80004	10	20.016	24.550	80128	23	3.923	4.952	80200	11	5.516	7.518	80272	13	8.820	10.066	
80005	14	20.610	24.717	80129	10	4.540	4.411	80201	10	5.646	7.183	80273	33	9.648	10.428	
80006	25	21.980	24.754	80130	15	9.516	4.406	80202	15	6.202	7.503	80274	10	9.730	10.260	
80007	8	22.558	24.060	80131	30	10.420	4.764	80203	10	7.162	7.121	80275	18	10.526	10.764	
80008	12	23.308	24.164	80132	14	11.265	4.952	80204	13	7.383	7.118	80276	32	10.702	10.078	
80009	10	25.609	24.840	80133	13	11.355	4.736	80205	31	8.280	7.510	80277	12	11.375	10.240	
80010	25	3.335	25.178	80134	11	11.820	4.925	80206	15	8.786	7.514	80278	16	13.378	10.301	
80011	12	3.356	25.683	80135*	35	12.000	4.391	80207	10	9.982	7.874	80279	10	14.619	10.472	
80012*	75	3.751	25.628	80136	13	12.695	4.730	80208	10	10.496	7.058	80280	10	15.136	10.842	
80013	18	4.276	25.820	80137	15	12.741	4.258	80209	10	11.072	7.094	80281	13	15.319	10.622	
80014	26	4.499	25.550	80138	16	15.983	4.370	80210	11	12.791	7.660	80282	10	16.053	10.940	
80015	10	5.492	25.714	80139	31	17.511	4.734	80211	10	13.670	7.039	80283	10	16.780	10.371	
80016	10	7.571	25.600	80140	31	17.864	4.444	80212	10	14.042	7.722	80284*	35	17.919	10.620	
80017	16	7.810	25.441	80141	27	18.964	4.489	80213	10	14.341	7.346	80285	24	18.489	10.229	
80018	13	8.873	25.374	80142	11	19.738	4.098	80214	10	14.375	7.592	80286	28	18.611	10.448	
80019	18	8.884	25.251	80143	28	21.393	4.192	80215	27	14.655	7.706	80287	14	18.800	10.099	
80020	10	9.642	25.309	80144	33	0.230	5.221	80216	27	17.033	7.448	80288	10	18.979	10.349	
80021	10	10.168	25.570	80145	10	3.193	5.114	80217	11	17.152	7.795	80289	12	19.308	10.454	
80022	14	11.252	25.572	80146	21	3.448	5.160	80218	12	19.232	7.474	80290	31	20.104	10.961	
80023	12	11.790	25.018	80147	12	3.852	5.362	80219	22	19.536	7.226	80291	10	21.056	10.412	
80024	30	12.807	25.655	80148	10	4.420	5.110	80220	12	20.010	7.090	80292	19	21.179	10.122	
80025	43	12.840	25.646	80149	10	5.494	5.468	80221	29	20.280	7.909	80293	13	22.996	10.106	
80026	13	13.690	25.425	80150	10	5.779	5.770	80222	10	22.638	7.976	80294	10	23.415	10.700	
80027	23	14.709	25.216	80151	20	6.182	5.741	80223	16	22.979	7.212	80295	10	23.478	10.688	
80028	14	15.890	25.024	80152	14	6.866	5.976	80224	10	24.354	7.962	80296	13	24.406	10.178	
80029	30	16.532	25.199	80153	12	7.076	5.110	80225	10	24.498	7.314	80297	10	25.534	10.928	
80030	16	19.818	25.520	80154	24	7.740	5.198	80226	10	0.150	8.417	80298	12	0.740	11.648	
80031	10	23.160	25.920	80155	11	7.965	5.965	80227	17	0.875	8.883	80299	10	0.854	11.570	
80032	50	23.218	25.772	80156	10	8.912	5.178	80228*	34	1.134	8.070	80300	10	1.011	11.618	
80033	14	25.932	25.598	80157	12	9.534	5.546	80229	10	2.964	8.116	80301	18	1.380	11.617	
				80158	16	12.875	5.570	80230	12	4.878	8.562	80302	10	1.985	11.504	
				80159	12	14.362	5.954	80231*	33	6.020	8.906	80303	12	3.453	11.711	
				80160	10	14.818	5.838	80232	12	9.376	8.862	80304	29	4.491	11.210	
				80161	12	17.113	5.456	80233	10	9.425	8.504	80305	13	5.222	11.448	
				80162*	38	17.830	5.676	80234*	39	9.820	8.030	80306	10	5.410	11.808	
				80163	14	18.250	5.380	80235	10	11.520	8.524	80307	10	7.561	11.436	
				80164	14	19.108	5.924	80236	25	14.882	8.139	80308	10	7.775	11.396	
				80165	27	19.437	5.266	80237	10	16.936	8.422	80309	10	10.440	11.565	
				80166	12	20.285	5.002	80238	11	19.200	8.154	80310	10	11.082	11.28	

80322	11	18-883	11-697	80394*	31	17-821	14-846	80466	33	12-656	17-680	80538	10	2-438	20-559	80610	10	15-634	22-642
80323	12	10-050	11-792	80395	12	18-679	14-790	80467	22	13-006	17-493	80539	10	2-553	20-777	80611	10	18-328	22-150
80324	10	10-342	11-071	80396	12	19-460	14-700	80468	11	13-450	17-604	80540	20	3-619	20-770	80612	10	19-340	22-888
80325	13	20-113	11-504	80397	25	23-004	14-474	80469	10	13-610	17-458	80541	10	5-690	20-945	80613	10	19-481	22-711
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80327	10	24-058	11-420	80399	15	23-512	14-011	80471	21	14-557	17-216	80543	13	7-443	20-978	80615	10	20-790	22-310
80328	39	25-606	11-535	80400	10	23-750	14-622	80472	10	15-818	17-792	80544	12	7-655	20-167	80616	10	21-741	22-430
80329	10	25-876	11-074	80401	10	24-939	14-140	80473	10	16-306	17-671	80545	12	9-109	20-126	80617	33	23-590	22-207
80330	25	1-661	12-539	80402	31	25-378	14-154	80474	12	16-821	17-961	80546	10	9-590	20-306	80618*	41	24-206	22-968
80331	13	2-301	12-578	80403	10	25-428	14-491	80475	20	18-099	17-422	80547	15	12-286	20-514	80619	12	25-362	22-408
80332	10	5-086	12-768	80404*	33	0-800	15-214	80476	12	18-286	17-716	80548	10	13-740	20-340	80620	37	25-736	22-495
80333	10	5-389	12-082	80405	10	0-806	15-008	80477	24	22-256	17-869	80549	21	14-336	20-413	80621*	48	0-269	23-140
80334	12	5-878	12-929	80406	20	1-260	15-696	80478	10	23-473	17-484	80550*	45	15-382	20-130	80622	10	1-502	23-210
80335	10	6-460	12-150	80407	10	1-648	15-873	80479	31	23-906	17-171	80551	11	16-704	20-310	80623	10	1-625	23-500
80336	22	9-126	12-174	80408	10	2-375	15-025	80480	10	24-478	17-016	80552	11	17-200	20-096	80624*	42	1-640	23-360
80337	16	9-744	12-202	80409	10	2-810	15-292	80481	10	0-150	18-056	80553	12	17-612	20-474	80625	12	3-636	23-338
80338*	44	10-132	12-516	80410	23	3-536	15-765	80482	14	2-468	18-596	80554	12	18-560	20-207	80626	10	4-708	23-250
80339	32	11-639	12-789	80411	11	7-817	15-578	80483	15	2-980	18-924	80555	10	18-775	20-893	80627	16	5-410	23-340
80340	12	12-862	12-680	80412	29	9-575	15-288	80484	11	4-526	18-500	80556	11	19-316	20-285	80628	14	8-644	23-430
80341	10	13-540	12-476	80413	15	10-485	15-286	80485	11	4-872	18-976	80557*	33	19-890	20-066	80629	32	10-361	23-420
80342	10	14-260	12-258	80414	12	10-495	15-092	80486	14	4-988	18-946	80558	14	20-682	20-281	80630	25	10-480	23-970
80343	21	14-336	12-881	80415	12	10-925	15-014	80487	31	5-217	18-912	80559	10	21-642	20-144	80631	10	10-800	23-640
80344	12	14-345	12-080	80416	11	11-242	15-420	80488	10	7-400	18-946	80560	10	22-451	20-544	80632	10	11-630	23-780
80345	10	15-154	12-650	80417*	43	11-425	15-832	80489*	46	8-488	18-678	80561	12	23-058	20-925	80633	10	12-336	23-220
80346	26	17-151	12-732	80418	35	12-546	15-810	80490	35	8-903	18-751	80562	24	1-208	21-828	80634	29	13-806	23-160
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80348	10	18-696	12-246	80420	12	15-826	15-751	80492	12	10-274	18-770	80564	18	4-322	21-796	80636	11	15-916	23-110
80349	16	19-416	12-049	80421	12	16-335	15-806	80493	10	11-636	18-240	80565	10	5-516	21-370	80637	11	15-926	23-520
80350	33	19-684	12-852	80422	19	17-474	15-058	80494	10	12-030	18-591	80566	26	6-660	21-774	80638*	38	19-611	23-850
80351	10	19-731	12-572	80423	14	17-602	15-024	80495	32	12-482	18-914	80567	10	8-884	21-062	80639	10	20-416	23-610
80352	10	20-103	12-744	80424	17	18-920	15-040	80496	10	14-282	18-700	80568	13	9-738	21-490	80640	17	20-698	23-670
80353	30	20-151	12-240	80425	17	20-085	15-330	80497	10	14-350	18-914	80569	26	10-161	21-890	80641	21	21-279	23-260
80354	10	20-630	12-192	80426	14	20-229	15-753	80498	10	14-826	18-836	80570	10	11-430	21-146	80642	14	22-900	23-740
80355	10	21-560	12-671	80427	28	20-684	15-076	80499	27	17-639	18-896	80571	10	11-521	21-423	80643	15	23-070	23-460
80356	10	23-950	12-876	80428	10	21-639	15-430	80500	23	18-142	18-284	80572	13	11-740	21-440	80644	10	0-240	24-290
80357*	56	23-996	12-998	80429	35	22-766	15-476	80501	14	19-340	18-686	80573	14	11-805	21-540	80645	10	2-552	24-940
80358	11	0-200	13-898	80430	21	23-982	15-276	80502	10	20-820	18-240	80574	16	12-570	21-012	80646*	34	4-452	24-080
80359	13	4-360	13-354	80431	19	24-286	15-810	80503	26	21-031	18-435	80575	12	13-060	21-350	80647	15	4-491	24-300
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81077	12	5-571	18-982	81149	23	14-582	21-800	81221	19	5-246	24-019					81379	20	12-416	4-165
81078	33	6-822	18-672	81150	11	15-308	21-928	81222	34	7-361	24-240					81380	13	13-056	4-761
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81398	20	9.480	5.286	81470	18	21.024	8.576	81542	26	15.345	11.905	81614	12	20.984	14.365	81686	10	15.396	17.416
81399	16	10.510	5.195	81471	18	21.684	8.934	81543	12	17.062	11.290	81615	31	21.416	14.032	81687	13	16.672	17.706
81400	11	11.114	5.639	81472	10	21.983	8.276	81544	19	17.410	11.561	81616	12	21.715	14.592	81688	18	17.945	17.570
81401*	67	11.686	5.136	81473	11	23.868	8.004	81545	12	19.075	11.235	81617	13	22.186	14.614	81689	24	18.445	17.564
81402	33	13.172	5.310	81474	10	24.382	8.874	81546	37	19.577	11.557	81618	12	22.480	14.800	81690	21	19.334	17.906
81403	28	13.454	5.580	81475	10	24.532	8.190	81547	14	21.075	11.382	81619	28	23.200	14.305	81691	11	20.282	17.580
81404	21	15.226	5.724	81476	12	25.119	8.748	81548	11	21.090	11.882	81620	12	23.526	14.895	81692	12	21.004	17.570
81405	28	15.804	5.175	81477	15	1.502	9.149	81549	11	21.104	11.266	81621	11	23.623	14.082	81693	14	21.103	17.448
81406	10	15.884	5.365	81478	14	1.657	9.605	81550*	60	22.048	11.417	81622	19	25.254	14.390	81694	32	21.924	17.596
81407	14	16.250	5.231	81479	11	3.484	9.616	81551	10	23.332	11.101	81623*	58	0.798	15.108	81695	15	21.994	17.670
81408*	40	19.734	5.574	81480	11	5.811	9.587	81552	10	25.250	11.252	81624	9	1.104	15.978	81696	30	23.305	17.070
81409	20	25.533	5.508	81481	10	7.652	9.846	81553	22	1.764	12.768	81625	13	1.595	15.955	81697	10	24.415	17.664
81410	10	0.730	6.774	81482	14	8.658	9.778	81554	14	2.740	12.110	81626	20	2.514	15.430	81698	12	2.842	18.754
81411	11	0.890	6.297	81483	38	9.238	9.772	81555	26	3.125	12.876	81627	12	2.545	15.768	81699	10	4.335	18.550
81412	14	2.256	6.064	81484	24	10.202	9.588	81556	14	3.646	12.637	81628	15	3.143	15.075	81700	11	4.486	18.674
81413	9	2.495	6.088	81485	16	11.175	9.808	81557	10	4.047	12.650	81629	10	4.551	15.896	81701	12	4.718	18.746
81414*	58	3.152	6.880	81486	11	11.302	9.922	81558	12	4.560	12.394	81630	19	8.260	15.278	81702	24	5.473	18.664
81415	11	3.670	6.374	81487	12	11.506	9.232	81559	13	5.828	12.510	81631	11	9.109	15.584	81703*	40	7.467	18.648
81416	13	3.997	6.788	81488	21	11.540	9.086	81560	11	6.474	12.015	81632	14	9.908	15.668	81704*	34	10.690	18.229
81417	11	4.028	6.116	81489	22	11.620	9.168	81561	30	6.602	12.090	81633	15	11.426	15.399	81705	10	10.928	18.478
81418*	34	4.712	6.534	81490	20	13.360	9.162	81562	14	10.890	12.102	81634	26	13.518	15.576	81706	10	14.500	18.196
81419*	107	5.936	6.374	81491	12	13.616	9.856	81563*	110	11.037	12.668	81635	13	15.266	15.364	81707*	40	15.522	18.690
81420	30	6.676	6.688	81492	10	14.380	9.418	81564	10	13.305	12.764	81636	11	15.658	15.467	81708*	62	18.348	18.530
81421	16	9.512	6.420	81493	13	15.116	9.745	81565*	46	21.232	12.438	81637*	64	16.830	15.294	81709	15	18.965	18.156
81422	29	9.981	6.042	81494	14	15.632	9.586	81566	30	21.398	12.832	81638	24	16.854	15.612	81710	24	22.934	18.850
81423	12	12.486	6.316	81495	11	16.086	9.654	81567	11	23.076	12.326	81639	12	18.050	15.540	81711	10	0.398	19.678
81424	28	12.606	6.471	81496	10	16.774	9.874	81568	13	24.115	12.546	81640	13	19.214	15.045	81712*	81	2.726	19.834
81425	18	13.269	6.340	81497*	40	17.882	9.205	81569	10	24.734	12.700	81641	12	20.295	15.693	81713	24	3.366	19.654
81426	11	14.336	6.330	81498	10	22.560	9.209	81570	11	1.238	13.207	81642	13	21.118	15.091	81714*	45	4.504	19.918
81427	13	14.756	6.950	81499	14	22.590	9.102	81571	11	1.250	13.057	81643	15	21.580	15.761	81715	15	4.680	19.934
81428	15	16.342	6.276	81500*	40	22.792	9.174	81572	19	1.308	13.648	81644	11	24.038	15.399	81716	24	5.735	19.988
81429*	35	16.351	6.936	81501	10	25.424	9.348	81573	12	2.725	13.846	81645	17	24.064	15.371	81717	13	6.328	19.884
81430	11	18.525	6.516	81502	12	0.566	10.551	81574	13	3.170	13.392	81646	11	24.306	15.886	81718	20	8.092	19.790
81431*	83	19.484	6.089	81503*	40	2.808	10.968	81575	10	4.530	13.146	81647	17	25.146	15.978	81719	19	10.450	19.556
81432	25	23.048	6.070	81504	11	2.936	10.410	81576	11	4.909	13.269	81648	12	0.080	16.536	81720	18	11.268	19.023
81433	10	23.745	6.134	81505	10	3.760	10.420	81577	18	6.766	13.795	81649	17	1.252	16.287	81721	14	12.310	19.562
81434	15	0.808	7.681	81506	20	3.894	10.544	81578	29	7.395	13.828	81650	10	1.310	16.176	81722	15	12.703	19.625
81435	13	1.810	7.164	81507	10	4.088	10.517	81579	14	7.481	13.712	81651	11	2.730	16.958	81723	13	13.925	19.846
81436*	39	2.285	7.906	81508	12	4.425	10.536	81580*	56	8.904	13.875	81652	10	2.880	16.279	81724	20	14.846	19.916
81437	12	2.917	7.344	81509	15	6.222	10.365	81581	21	8.945	13.713	81653	15	7.937	16.074	81725	11	15.014	19.626
81438	11	4.223	7.426	81510	12	6.672	10.521	81582	18	9.339	13.902	81654	18	9.819	16.702	81726	23	15.381	19.898
81439*	40	4.512	7.025	81511	10	6.790	10.208	81583	12	9.730	13.895	81655	12	10.734	16.666	81727	12	16.668	19.231
81440	18	5.178	7.814	81512	13	7.165	10.405	81584	13	12.113	13.530	81656	23	11.594	16.210	81728	16	16.967	19.112
81441	24	7.194	7.331	81513	18	8.876	10.270	81585	12	12.848	13.292	81657	12	11.640	16.544	81729	20	19.030	19.874
81442	14	8.270	7.100	81514	10	9.154	10.394	81586*	40	14.475	13.825	81658	23	11.647	16.664	81730	27	19.731	19.814
81443	13	8.745	7.204	81515	15	12.844	10.899	81587	19	17.182	13.562	81659	10	13.042	16.130	81731	12	21.470	19.546
81444	11	10.480	7.787	81516	10	15.460	10.256	81588	13	19.074	13.579	81660	13	14.730	16.928	81732	10	23.650	19.290
81445	25	11.918	7.437	81517	11	15.604	10.193	81589	14	19.435	13.190	81661	14	14.784	16.888	81733	14	24.224	19.608
81446	32	12.106	7.034	81518*	116	17.538	10.968	81590*	40	19.994	13.126	81662	16	14.915	16.533	81734	12	25.048	19.946
81447	11	13.058	7.006	81519	14	19.961	10.966	81591	20	20.081	13.984	81663	22	15.082	16.490	81735	24	25.309	19.432
81448	11	13.180	7.992	81520*	40	22.786	10.940	81592	10	21.752	13.813	81664	12	16.287	16.445	81736	17	0.389	20.682
81449	10	14.638	7.024	81521	19	23.358	10.230	81593	15	22.865	13.605	81665	18	17.090	16.850	81737	10	1.916	20.261
81450	12	15.025	7.366	81522	25	25.327	10.910	81594	14	23.615	13.659	81666	14	17.346	16.801	81738	13	2.816	20.926
81451	19	15.555	7.741	81523	10	25.487	10.444	81595	12	23.976	13.590	81667	10	17.435	16.066	81739	11	3.315	20.161
81452	16	16.890	7.041	81524	14	0.078	11.081	81596	11	24.474	13.445	81668	13	18.298	16.752	81740	13	3.802	20.969
81453	10	23.352	7.954	81525	17	1.985	11.324	81597	12	24.628	13.563	81669	10	20.689	16.134	81741	10	3.996	20.226
81454	24	24.394	7.045	81526	16	2.295	11.015	81598	13	25.792	13.902	81670	14	21.274	16.845	81742	10	5.442	20.332
81455	12	2.145	8.110	81527	13	2.996	11.062	81599	14	0.226	14.826	81671	19	21.750	16.210	81743	12	6.170	20.635
81456	26	5.436	8.758	81528*	48	3.510	11.278	81600	13	0.505	14.960	81672	10	23.136	16.555	81744	10	7.423	20.826
81457	14	5.685	8.574	81529	19	5.063	11.274	81601	11	1.614	14.094	81673	24	23.392	16.690	81745	16	7.752	20.694
81458	11	6.232	8.215	81530	10	5.796	11.506	81602	12	3.130	14.061	81674	26	23.450	16.626	81746	10	8.112	20.064
81459	10	6.758	8.234	81531	14	6.668	11.034	81603	20	3.673	14.156	81675	20	25.378	16.305	81747	14	9.660	20.546
81460	10	7.006	8.714	81532	33</														

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81773	17	15-215	21-037	81845	21	1-270	25-480	81930*	31	5-534	3-784	82002	23	16-876	7-174	82074	24	18-889	11-384
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81788	15	9-250	22-296	81860	15	20-818	25-370	81945	12	8-682	4-658	82017	18	16-048	8-998	82089*	31	21-239	12-377
81789	11	9-825	22-430	81861	12	21-350	25-590	81946	24	10-104	4-090	82018	22	18-003	8-731	82090	12	21-396	12-333
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82131	25	23-164	14-157	82203	31	14-188	19-492	82275	9	21-536	22-134	<div>R.A. 20^h 12^m</div> <div>Plate 2037; 1922 Nov. 19.</div> <div>Provisional Constants.</div> <div>A B C</div> <div>-01766 ÷ 01064 - 9053</div> <div>D E F</div> <div>-01014 - 01769 + 2334</div> <div>Mag. = 16.0 - 0.96√d</div>	82406	36	17-890	3-909
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82515	27	23-850	8-914	82587	15	11-350	11-030	82659*	55	16-604	13-354	82731	24	1-508	16-930	82803	18	23-594	18-850
82516	10	24-829	8-168	82588	22	11-580	11-756	82660	38	17-464	13-896	82732	25	5-156	16-214	82804	20	24-264	18-454
82517	54	24-895	8-836	82589*	28	12-074	11-821	82661	22	20-212	13-648	82733	20	9-169	16-494	82805	10	0-635	19-917
82518	14	1-142	9-110	82590	12	12-640	11-546	82662*	46	21-528	13-952	82734	28	9-780	16-276	82806	13	0-654	19-995
82519	16	1-564	9-730	82591	24	13-540	11-505	82663	13	21-894	13-572	82735	11	11-382	16-500	82807	31	1-656	19-318
82520	29	1-602	9-440	82592	16	14-142	11-556	82664	14	21-903	13-667	82736	17	12-056	16-366	82808	20	2-690	19-046
82521	26	1-905	9-206	82593	10	14-244	11-434	82665	13	22-022	13-015	82737	22	14-370	16-491	82809	14	3-164	19-980
82522	16	2-366	9-706	82594	17	14-319	11-844	82666	13	22-036	13-260	82738	10	15-847	16-824	82810	10	4-446	19-837
82523	27	2-498	9-788	82595	14	14-382	11-864	82667	19	22-094	13-326	82739	20	16-145	16-434	82811	18	4-674	19-798
82524	13	2-704	9-755	82596	27	14-750	11-267	82668	20	22-260	13-442	82740	12	17-556	16-116	82812	23	5-625	19-180
82525	13	4-295	9-333	82597	20	15-902	11-678	82669	18	22-509	13-340	82741	13	17-780	16-870	82813	38	7-615	19-870
82526	16	4-880	9-380	82598	12	16-800	11-942	82670	18	23-744	13-536	82742	20	17-845	16-978	82814	28	7-628	19-996
82527	24	7-642	9-751	82599	15	17-313	11-636	82671	15	24-233	13-324	82743	17	18-105	16-275	82815	22	9-304	19-555
82528	18	8-339	9-556	82600	12	17-380	11-120	82672	20	24-623	13-232	82744	15	21-980	16-371	82816	11	10-208	19-163
82529	14	8-629	9-912	82601	26	18-136	11-939	82673	23	1-372	14-792	82745	15	22-132	16-522	82817	28	10-554	19-844
82530	15	9-880	9-835	82602	13	20-133	11-333	82674	22	4-416	14-994	82746	12	25-465	16-647	82818	25	10-767	19-227
82531	12	10-410	9-916	82603	18	20-265	11-071	82675	20	4-775	14-780	82747	10	25-681	16-494	82819	17	11-435	19-666
82532	15	11-000	9-069	82604	10	20-470	11-480	82676	24	5-385	14-601	82748	13	25-904	16-760	82820	12	13-600	19-355
82533	12	11-445	9-344	82605	13	20-830	11-945	82677	20	9-385	14-837	82749	22	0-765	17-985	82821	15	14-526	19-471
82534	11	11-850	9-230	82606	23	21-481	11-323	82678	10	10-500	14-790	82750	12	1-376	17-830	82822	23	15-892	19-464
82535	15	12-119	9-516	82607*	29	21-798	11-050	82679	18	11-457	14-654	82751	27	2-149	17-510	82823	12	17-954	19-383
82536	13	12-484	9-322	82608	24	23-257	11-238	82680	26	11-522	14-902	82752	18	3-072	17-146	82824	14	19-324	19-970
82537	13	13-604	9-714	82609	11	23-358	11-596	82681	12	13-078	14-311	82753*	37	5-920	17-647	82825	23	19-664	19-518
82538	16	13-835	9-390	82610	12	23-945	11-648	82682	13	13-240	14-646	82754	23	8-262	17-530	82826	20	20-053	19-602
82539	18	14-142	9-416	82611	22	24-244	11-572	82683	19	13-314	14-733	82755	24	9-110	17-502	82827	10	20-251	19-41

82838*	38	5.699	20.880	82910	21	2.100	24.407	82967	10	3.682	1.800	83039	23	25.034	4.402	83111	16	11.410	8.450
82839	11	6.136	20.080	82911	18	3.850	24.222	82968	17	4.580	1.575	83040	11	25.286	4.372	83112	10	16.508	8.516
82840	14	7.612	20.726	82912	10	6.732	24.380	82969	13	6.170	1.976	83041	30	3.228	5.445	83113	12	17.969	8.426
82841	24	8.166	20.354	82913*	40	7.171	24.506	82970	24	6.580	1.180	83042	10	6.258	5.100	83114	15	18.212	8.944
82842	10	8.537	20.679	82914	13	8.845	24.290	82971	26	7.050	1.042	83043	9	6.665	5.980	83115	19	20.500	8.119
82843	24	10.575	20.200	82915	28	10.301	24.689	82972	12	9.518	1.989	83044	12	6.733	5.880	83116*	39	21.204	8.039
82844	16	11.846	20.704	82916	10	10.690	24.219	82973	23	10.568	1.524	83045	21	7.150	5.114	83117*	48	21.430	8.440
82845	14	13.158	20.864	82917*	44	13.894	24.728	82974	22	11.381	1.204	83046	18	7.968	5.902	83118*	32	23.568	8.400
82846	12	14.036	20.740	82918	13	14.422	24.580	82975	33	11.936	1.475	83047	11	8.970	5.837	83119	12	3.128	9.474
82847	16	14.046	20.522	82919	15	14.722	24.218	82976*	57	12.320	1.974	83048*	58	9.001	5.124	83120	11	5.366	9.914
82848	16	15.000	20.806	82920	17	14.758	24.092	82977	23	13.588	1.761	83049	27	10.992	5.802	83121	13	6.126	9.816
82849	26	15.786	20.120	82921	12	16.564	24.828	82978	11	16.230	1.517	83050	10	11.392	5.706	83122	12	7.050	9.863
82850	35	16.459	20.150	82922	11	17.320	24.843	82979	13	20.158	1.548	83051	23	13.082	5.390	83123	13	7.537	9.886
82851	13	16.558	20.472	82923*	40	17.720	24.643	82980*	33	0.482	2.414	83052	10	14.774	5.344	83124	33	11.325	9.762
82852	12	17.765	20.780	82924	36	18.114	24.666	82981	26	3.734	2.840	83053	26	15.135	5.908	83125	12	14.614	9.439
82853	25	18.743	20.930	82925	20	19.294	24.248	82982	10	4.328	2.482	83054	12	17.380	5.638	83126*	42	14.744	9.780
82854	10	0.735	21.760	82926	17	20.156	24.093	82983	22	4.514	2.100	83055	10	18.020	5.693	83127	10	17.652	9.664
82855	13	1.046	21.200	82927	11	20.614	24.656	82984	13	4.682	2.369	83056	17	18.906	5.280	83128	14	19.670	9.995
82856	25	1.616	21.852	82928*	40	21.118	24.700	82985	34	5.066	2.424	83057	21	20.494	5.130	83129	18	20.950	9.281
82857	14	2.075	21.741	82929	14	21.267	24.376	82986	10	6.150	2.026	83058	14	20.842	5.002	83130*	75	23.110	9.142
82858	10	6.868	21.996	82930	13	0.097	25.168	82987	20	6.715	2.343	83059	10	24.731	5.224	83131*	41	23.222	9.836
82859*	40	7.360	21.275	82931	12	3.428	25.860	82988	11	6.740	2.464	83060	11	25.507	5.486	83132	11	23.410	9.590
82860	14	9.064	21.419	82932	20	4.379	25.363	82989	20	6.786	2.602	83061	17	0.212	6.226	83133	23	24.732	9.050
82861	11	11.345	21.018	82933	28	5.378	25.588	82990	10	7.428	2.842	83062	17	2.019	6.110	83134	10	0.374	10.068
82862	15	12.993	21.390	82934*	40	8.898	25.096	82991	23	7.996	2.300	83063	14	3.608	6.516	83135	15	1.199	10.420
82863	17	14.212	21.540	82935	22	12.034	25.090	82992	29	8.359	2.758	83064	31	5.611	6.344	83136*	28	1.240	10.895
82864*	35	15.358	21.259	82936	10	12.178	25.220	82993	10	8.520	2.066	83065*	38	5.864	6.096	83137	17	1.552	10.115
82865	11	15.971	21.093	82937*	40	13.972	25.145	82994	32	9.136	2.513	83066	13	9.930	6.570	83138	13	2.841	10.112
82866	12	17.068	21.422	82938	15	15.957	25.800	82995*	39	10.104	2.114	83067	10	9.969	6.939	83139	21	3.490	10.660
82867	12	21.376	21.050	82939	46	16.985	25.906	82996	12	16.151	2.658	83068	12	12.764	6.464	83140	27	3.914	10.864
82868*	34	21.383	21.670	82940	14	17.928	25.996	82997	12	21.541	2.132	83069	14	15.084	6.030	83141	15	6.513	10.120
82869	22	21.589	21.450	82941	22	19.356	25.380	82998	19	21.890	2.432	83070	19	20.684	6.856	83142	25	6.996	10.003
82870	12	21.892	21.919					82999*	44	24.610	2.505	83071	10	21.165	6.990	83143	14	8.150	10.018
82871	10	24.288	21.218					83000	11	0.925	3.015	83072	23	21.320	6.271	83144*	32	10.626	10.248
82872	14	24.648	21.845					83001	16	3.310	3.214	83073	10	25.820	6.594	83145	11	10.726	10.600
82873	15	24.826	21.626					83002	12	4.374	3.425	83074	18	1.300	7.066	83146	11	11.748	10.256
82874	14	6.025	22.193					83003	10	8.912	3.041	83075	12	1.760	7.750	83147	12	13.150	10.706
82875	18	6.212	22.668					83004	10	10.490	3.168	83076	10	2.034	7.773	83148	13	13.658	10.700
82876	36	6.474	22.314					83005	11	11.260	3.926	83077	14	2.936	7.113	83149	14	14.659	10.266
82877	10	7.055	22.318					83006	34	11.707	3.390	83078	26	3.762	7.472	83150	25	14.858	10.964
82878	14	7.198	22.776					83007*	29	14.938	3.529	83079	15	3.795	7.078	83151	10	15.594	10.608
82879	40	7.283	22.247					83008	22	19.955	3.335	83080	26	3.898	7.126	83152	12	17.684	10.816
82880*	56	7.411	22.557					83009	13	21.857	3.416	83081	11	4.235	7.970	83153	26	19.857	10.274
82881	14	8.110	22.554					83010	37	22.238	3.436	83082	10	5.267	7.626	83154*	50	24.760	10.523
82882	27	10.424	22.056					83011	26	22.357	3.500	83083	18	5.882	7.108	83155	25	0.930	11.172
82883	12	10.950	22.564					83012	29	23.690	3.181	83084	26	6.172	7.556	83156	24	2.705	11.060
82884	12	15.422	22.356					83013	14	0.406	4.408	83085	11	7.432	7.449	83157	10	2.814	11.418
82885	23	18.252	22.800					83014	32	0.617	4.110	83086	21	7.808	7.960	83158	19	3.696	11.380
82886	17	19.913	22.675					83015	16	1.498	4.690	83087	12	7.870	7.126	83159	11	4.292	11.782
82887*	60	21.762	22.168					83016*	43	1.794	4.635	83088	12	8.003	7.809	83160	11	7.480	11.778
82888	10	24.664	22.597					83017	10	2.120	4.728	83089	10	8.103	7.066	83161	10	10.460	11.641
82889	11	25.288	22.295					83018	10	2.309	4.872	83090	10	8.110	7.562	83162	16	11.602	11.510
82890	19	3.900	23.293					83019	10	2.310	4.822	83091	14	8.410	7.838	83163*	41	12.494	11.285
82891	13	7.670	23.304					83020*	82	2.858	4.071	83092	12	8.490	7.550	83164*	38	13.160	11.515
82892	12	8.414	23.506					83021	12	3.717	4.646	83093	14	11.166	7.475	83165*	52	16.276	11.084
82893	16	8.848	23.156					83022	14	6.811	4.671	83094	10	11.488	7.620	83166	10	18.116	11.496
82894	20	10.860	23.551					83023	17	9.314	4.366	83095	10	12.442	7.610	83167	14	22.080	11.754
82895	25	11.938	23.089					83024	10	9.870	4.980	83096	14	13.770	7.052	83168	22	22.373	11.943
82896	25	12.410	23.460					83025	11	10.067	4.029	83097	10	14.582	7.860	83169	25	22.740	11.432
82897	15	12.635	23.890					83026	23	11.551	4.590	83098*	29	15.580	7.100	83170	12	22.934	11.167
82898	30	14.420	23.988					83027	13	13.338	4.680	83099	11	16.870	7.989	83171*	34	23.857	11.432
82899	14	15.509	23.482					83028	14	14.626	4.920	83100	15	17.088	7.089	83172	11	24.297	11.174
82900	30	16.108	23.036					83029	15	15.418	4.750	83101	11	17.755	7.960	83173	12	1.500	12.856
82901	24	16.664	23.424					83030*	57	16.922	4.280	83102	13	20.311	7.712	83174	12	1.940	12.830
82902	18	17.274	23.478					83031*	34	18.201	4.794	83103	10	1.330	8.540	83175	15	4.673	12.113
82903	24	17.870	23.264					83032*	74	19.202	4.788	83104	24	2.458	8.610	83176	12	5.524	12.255
82904	12	20.016	23.8																

83183	12	13.002	12.269	83255	11	4.094	16.439	83327	24	12.350	19.848	83399	11	1.314	23.214	83469	24	19.234	1.462
83184	10	13.409	12.290	83256	10	5.208	16.283	83328	22	13.910	19.186	83400	29	1.496	23.251	83470	22	19.740	1.090
83185	10	14.370	12.444	83257	13	5.435	16.544	83329	14	15.246	19.800	83401	27	5.447	23.396	83471	22	21.370	1.238
83186	11	15.144	12.676	83258	15	5.716	16.234	83330	30	16.970	19.433	83402	11	8.545	23.996	83472	37	22.805	1.079
83187	24	20.222	12.641	83259	21	6.586	16.125	83331	10	17.050	19.148	83403	16	11.456	23.799	83473*	42	23.840	1.506
83188*	35	20.228	12.458	83260	16	8.448	16.428	83332	10	17.400	19.046	83404	43	0.758	24.556	83474	36	24.166	1.135
83189	11	20.270	12.390	83261	25	8.593	16.962	83333	16	17.426	19.460	83405	12	0.908	24.230	83475	39	25.458	1.576
83190	31	22.122	12.433	83262	24	9.862	16.220	83334	14	18.314	19.290	83406	32	9.861	24.856	83476*	54	2.286	2.555
83191	16	22.164	12.912	83263	10	10.100	16.073	83335	17	18.613	19.830	83407	10	10.219	24.122	83477	15	4.920	2.971
83192*	47	23.846	12.140	83264	25	10.650	16.214	83336	25	18.948	19.978	83408	35	11.252	24.192	83478	24	6.626	2.334
83193	20	23.980	12.382	83265	13	15.904	16.443	83337	11	21.152	19.477	83409*	14	12.724	24.325	83479	15	9.085	2.854
83194	16	24.790	12.399	83266	10	16.860	16.268	83338	13	21.308	19.707	83410	24	12.776	24.320	83480	16	9.125	2.405
83195	20	24.790	12.886	83267	10	17.360	16.142	83339	18	21.800	19.338	83411	15	15.224	24.813	83481	24	9.876	2.262
83196*	49	1.012	13.800	83268	17	17.940	16.906	83340	26	24.814	19.750	83412	12	16.822	24.416	83482	24	10.399	2.594
83197	11	1.375	13.417	83269*	48	19.350	16.484	83341	29	24.912	19.404	83413	10	18.369	24.294	83483	17	12.183	2.342
83198	10	1.386	13.510	83270	26	21.632	16.490	83342	11	5.630	20.066	83414*	53	19.612	24.912	83484	40	13.834	2.046
83199	10	1.514	13.100	83271	10	22.068	16.605	83343	18	6.936	20.110	83415*	48	21.554	24.150	83485	34	15.620	2.411
83200	13	1.571	13.168	83272	37	22.084	16.860	83344	35	7.282	20.372	83416	26	23.708	24.530	83486*	52	16.539	2.391
83201	19	1.739	13.280	83273	22	22.280	16.840	83345	10	8.351	20.978	83417	17	4.190	25.930	83487	15	18.555	2.778
83202	16	1.988	13.175	83274	25	22.492	16.416	83346	16	8.410	20.088	83418	18	7.517	25.312	83488	35	0.054	3.585
83203	18	3.225	13.352	83275	23	23.053	16.437	83347	10	8.510	20.787	83419*	39	7.552	25.126	83489	40	1.380	3.246
83204	23	3.268	13.867	83276	31	25.802	16.508	83348	10	8.708	20.230	83420	26	7.640	25.552	83490	16	3.832	3.230
83205	10	3.710	13.134	83277	10	25.994	16.426	83349	12	10.384	20.106	83421	12	8.432	25.404	83491	30	5.969	3.628
83206	21	4.100	13.035	83278	11	0.850	17.343	83350	12	10.445	20.230	83422	19	9.036	25.126	83492	16	8.387	3.695
83207	22	5.774	13.870	83279	10	3.978	17.640	83351	24	11.657	20.950	83423	11	10.600	25.280	83493	23	11.166	3.784
83208	12	7.350	13.860	83280	10	5.243	17.700	83352	10	13.543	20.195	83424	40	19.352	25.666	83494	16	16.098	3.265
83209*	51	7.988	13.131	83281	15	5.486	17.538	83353*	40	14.923	20.096	83425	32	20.060	25.846	83495	14	16.127	3.344
83210	10	10.426	13.660	83282	10	5.554	17.347	83354*	34	15.265	20.346	83426	41	21.990	25.454	83496	12	22.359	3.986
83211	11	14.869	13.377	83283	22	8.050	17.836	83355	29	17.050	20.990	83427	20	22.138	25.014	83497	18	24.101	3.685
83212	17	17.573	13.888	83284	11	10.044	17.734	83356	14	17.880	20.024	83428	10	22.364	25.032	83498	14	24.924	3.256
83213	10	20.926	13.800	83285	10	10.248	17.460	83357	13	19.676	20.244					83499	31	2.744	4.447
83214	23	21.492	13.820	83286	24	11.904	17.060	83358*	35	23.802	20.566					83500	18	5.200	4.486
83215	15	24.850	13.936	83287	29	12.518	17.844	83359	10	24.146	20.442					83501	17	5.558	4.907
83216	11	0.753	14.968	83288	26	12.647	17.900	83360	10	25.962	20.950					83502	34	6.915	4.302
83217	24	1.116	14.696	83289	13	13.890	17.578	83361*	34	0.980	21.520					83503*	42	7.060	4.929
83218	10	1.680	14.160	83290	16	14.316	17.724	83362	18	1.184	21.300					83504	21	7.482	4.944
83219	38	1.727	14.855	83291	20	19.446	17.263	83363	10	1.499	21.764					83505	38	7.526	4.463
83220	10	2.194	14.098	83292	29	20.291	17.714	83364	12	3.883	21.028					83506	17	11.458	4.404
83221	19	4.342	14.823	83293	25	20.726	17.184	83365	15	4.252	21.650					83507	26	12.172	4.276
83222	18	4.868	14.946	83294*	33	21.934	17.859	83366	13	4.426	21.427					83508	16	12.611	4.447
83223	15	5.077	14.538	83295	13	25.890	17.808	83367	10	6.416	21.764					83509	18	13.788	4.366
83224	26	5.630	14.773	83296	13	0.804	18.112	83368	13	7.644	21.720					83510	39	15.067	4.390
83225	10	6.845	14.113	83297	15	3.150	18.669	83369	28	8.314	21.784					83511	20	15.269	4.314
83226	16	7.222	14.199	83298	26	3.817	18.264	83370*	70	9.014	21.944					83512	21	16.546	4.020
83227	13	8.413	14.680	83299*	31	4.828	18.872	83371	14	9.858	21.680					83513	31	18.046	4.592
83228	11	9.054	14.393	83300	28	8.826	18.044	83372	30	11.682	21.326					83514	20	23.394	4.826
83229	14	14.256	14.766	83301	28	9.604	18.487	83373*	38	15.704	21.651					83515	16	2.450	5.274
83230	20	18.690	14.807	83302	10	10.882	18.140	83374	12	16.029	21.938					83516	16	3.232	5.524
83231	10	19.142	14.218	83303*	43	11.250	18.480	83375*	46	16.475	21.862					83517	15	4.630	5.797
83232	30	19.232	14.644	83304	11	13.172	18.910	83376	12	16.516	21.472					83518*	40	4.636	5.946
83233	12	19.248	14.484	83305	30	15.278	18.140	83377	12	17.208	21.096					83519*	42	4.850	5.194
83234*	61	23.383	14.503	83306	31	15.541	18.578	83378	29	17.581	21.222					83520	28	6.257	5.728
83235	18	24.234	14.323	83307	27	16.728	18.254	83379	11	20.599	21.924					83521	19	6.365	5.475
83236	10	0.672	15.210	83308	10	17.015	18.652	83380	30	24.372	21.092					83522	22	6.584	5.594
83237	15	5.382	15.084	83309	11	17.853	18.910	83381	30	24.600	21.305					83523	22	8.449	5.512
83238	13	5.553	15.166	83310	15	18.210	18.178	83382*	35	25.160	21.365					83524	23	10.170	5.064
83239	17	7.175	15.616	83311	15	18.620	18.292	83383*	62	1.365	22.014					83525	16	12.024	5.070
83240	10	9.234	15.012	83312	15	18.629	18.310	83384	13	4.278	22.400					83526	39	13.732	5.066
83241	13	10.050	15.460	83313	22	19.546	18.666	83385	13	6.226	22.716					83527	18	14.636	5.550
83242	21	10.622	15.152	83314	16	19.700	18.426	83386	21	9.982	22.684					83528	34	15.886	5.335
83243	12	11.740	15.354	83315	10	22.355	18.752	83387	10	10.770	22.478					83529	23	16.205	5.435
83244	10	12.905	15.943	83316	23	22.360	18.988	83388	25	10.846	22.800					83530	16	16.705	5.836
83245	20	13.468	15.990	83317*	51	24.235	18.723	83389	12	10.950	22.244					83531	34	17.006	5.742
83246	19	13.781	15.122	83318	12	24.700	18.690	83390*	53	11.808	22.014					83532	13	17.038	5.124
83247	19	14.880	15.480	83319	10	25.522	18.970	83391	11	12.640	22.954					83533	32	17.430	5.306
83248	14	16.060	15.800	83320	28	0.061	19.445	83392	10	15.784	22.151					83534*	40	18.600	5.542
83249	16	18.478	15.785																

83541	20	25.552	5.384	83613	16	25.757	9.184	83685	14	19.900	13.914	83757	17	6.085	17.445	83829	19	18.566	21.214
83542	17	3.564	6.628	83614*	48	2.554	10.572	83686	16	20.250	13.105	83758	14	7.820	17.620	83830	20	18.980	21.592
83543	14	4.404	6.800	83615*	40	4.406	10.226	83687	15	21.462	13.774	83759	15	9.033	17.706	83831	14	20.590	21.341
83544	15	4.930	6.495	83616	20	4.876	10.226	83688	17	21.800	13.511	83760	19	13.058	17.267	83832	26	23.650	21.674
83545	24	6.558	6.450	83617*	42	6.700	10.492	83689	23	23.614	13.852	83761	13	13.160	17.600	83833	39	24.740	21.915
83546*	78	8.221	6.364	83618	19	6.768	10.564	83690*	40	24.140	13.148	83762*	38	14.330	17.456	83834	16	3.600	22.166
83547*	68	8.324	6.444	83619	15	8.996	10.090	83691*	59	1.241	14.571	83763	16	14.404	17.185	83835	38	5.050	22.144
83548	20	8.805	6.924	83620	14	11.593	10.366	83692	20	2.096	14.379	83764	12	14.866	17.100	83836	25	5.918	22.244
83549	17	10.124	6.230	83621	23	11.840	10.434	83693	20	3.878	14.046	83765	16	15.326	17.320	83837	15	6.566	22.876
83550	30	10.271	6.411	83622	20	15.756	10.106	83694	15	7.478	14.764	83766	22	16.159	17.076	83838	38	7.888	22.788
83551	34	10.426	6.852	83623	26	17.464	10.670	83695	17	8.730	14.475	83767	23	16.170	17.209	83839	24	9.010	22.786
83552	22	11.282	6.375	83624	15	23.626	10.419	83696	20	11.456	14.114	83768	28	16.810	17.005	83840	12	11.772	22.953
83553	36	12.485	6.254	83625	13	23.634	10.887	83697	12	12.656	14.586	83769	22	16.828	17.585	83841	20	13.764	22.084
83554	28	13.582	6.652	83626	24	0.556	11.512	83698	16	13.186	14.325	83770	23	17.230	17.425	83842	21	13.900	22.224
83555	20	13.776	6.244	83627	14	0.748	11.245	83699	17	13.729	14.444	83771	17	18.754	17.876	83843	15	15.040	22.816
83556*	42	14.150	6.750	83628*	36	1.670	11.495	83700	11	15.436	14.144	83772	29	19.590	17.175	83844	17	15.471	22.656
83557	13	16.834	6.837	83629	13	2.110	11.228	83701*	41	15.708	14.756	83773	26	20.450	17.074	83845	17	15.714	22.632
83558	16	20.304	6.436	83630	22	3.838	11.089	83702	16	17.864	14.637	83774	22	20.664	17.176	83846	23	15.962	22.425
83559	16	21.500	6.595	83631	14	4.994	11.794	83703	13	18.644	14.395	83775	22	21.324	17.652	83847	21	16.372	22.278
83560	20	23.654	6.494	83632	20	5.630	11.570	83704	15	18.846	14.171	83776*	56	2.160	18.778	83848*	58	17.140	22.614
83561	16	24.558	6.284	83633*	37	7.435	11.017	83705	16	18.950	14.968	83777	16	2.630	18.736	83849*	56	18.097	22.594
83562	12	8.348	7.863	83634*	28	7.658	11.394	83706	22	19.520	14.830	83778*	36	7.014	18.915	83850	14	18.350	22.575
83563	30	8.704	7.892	83635	32	10.412	11.122	83707	15	21.284	14.216	83779	12	7.024	18.862	83851	33	19.556	22.490
83564	14	8.936	7.586	83636	20	12.361	11.830	83708	22	21.602	14.085	83780	14	7.246	18.578	83852	20	24.890	22.234
83565	30	9.520	7.124	83637	37	15.390	11.024	83709	23	22.175	14.052	83781	33	7.600	18.770	83853	14	25.490	22.797
83566*	80	11.783	7.234	83638*	39	16.050	11.478	83710	19	22.974	14.584	83782*	39	8.100	18.204	83854*	46	5.408	23.780
83567	21	11.793	7.207	83639	14	16.625	11.896	83711	15	0.364	15.380	83783*	15	10.256	18.344	83855	29	7.168	23.417
83568	20	16.077	7.448	83640	22	16.814	11.324	83712	11	6.471	15.178	83784*	40	10.950	18.596	83856	38	7.586	23.048
83569	14	18.629	7.214	83641	13	18.630	11.107	83713	22	7.759	15.200	83785	20	11.660	18.254	83857	18	9.612	23.890
83570	18	18.786	7.515	83642	28	19.350	11.748	83714	12	8.864	15.329	83786	27	12.593	18.164	83858*	50	12.124	23.986
83571	14	19.556	7.936	83643	27	23.840	11.205	83715	14	9.829	15.126	83787	14	15.080	18.234	83859	35	12.397	23.966
83572	14	20.916	7.757	83644	21	24.772	11.262	83716	17	9.830	15.306	83788	18	18.356	18.671	83860	15	12.794	23.216
83573	21	23.284	7.434	83645	23	24.798	11.227	83717	19	10.090	15.304	83789	21	18.700	18.145	83861	15	13.597	23.115
83574	17	24.470	7.396	83646	22	0.200	12.028	83718	20	10.118	15.540	83790	26	24.370	18.912	83862	23	15.820	23.828
83575	21	24.734	7.622	83647*	46	1.671	12.200	83719	28	10.363	15.491	83791	23	0.296	19.071	83863	28	16.540	23.469
83576	23	25.094	7.364	83648	21	1.810	12.442	83720	24	10.374	15.857	83792	26	2.760	19.798	83864	26	18.814	23.565
83577*	38	1.334	8.465	83649	19	2.621	12.445	83721	14	11.661	15.360	83793	32	2.850	19.448	83865*	39	18.881	23.466
83578*	38	4.674	8.908	83650	20	2.631	12.934	83722	15	12.344	15.855	83794*	40	13.478	19.247	83866	58	21.976	23.906
83579	22	5.540	8.076	83651	17	6.434	12.608	83723	14	14.480	15.234	83795	17	18.223	19.766	83867	35	1.731	24.594
83580	18	6.720	8.564	83652	22	7.054	12.616	83724	32	14.790	15.919	83796	16	20.566	19.774	83868	21	4.833	24.345
83581	13	8.049	8.184	83653	27	8.725	12.638	83725	17	15.506	15.482	83797	12	20.672	19.980	83869	38	6.654	24.910
83582	16	10.830	8.034	83654	22	10.274	12.559	83726	15	15.600	15.722	83798	23	20.892	19.411	83870	15	6.655	24.755
83583	27	11.180	8.733	83655	15	10.894	12.222	83727	21	17.812	15.356	83799	29	23.116	19.515	83871	15	7.614	24.366
83584	13	11.230	8.756	83656	12	11.114	12.774	83728	12	18.910	15.780	83800	26	24.581	19.572	83872	38	8.750	24.980
83585	24	11.314	8.365	83657	16	11.190	12.424	83729	17	21.244	15.198	83801*	39	1.758	20.628	83873	17	10.934	24.212
83586	18	12.608	8.241	83658	15	11.850	12.067	83730*	38	22.081	15.756	83802	13	2.104	20.496	83874	40	14.366	24.934
83587	15	12.768	8.710	83659	12	12.240	12.858	83731	15	22.970	15.036	83803	17	3.925	20.975	83875*	46	18.236	24.900
83588	28	14.482	8.294	83660	36	14.512	12.216	83732	21	24.245	15.249	83804	19	5.990	20.326	83876	41	21.644	24.369
83589	26	16.527	8.230	83661	22	14.754	12.010	83733	24	24.976	15.060	83805	20	9.320	20.914	83877	15	22.345	24.524
83590	19	16.644	8.574	83662	16	15.767	12.591	83734	22	0.182	16.925	83806	26	11.174	20.938	83878*	52	24.077	24.214
83591	19	17.200	8.194	83663	22	16.631	12.434	83735	22	0.386	16.497	83807	23	12.338	20.663	83879	42	0.023	25.542
83592	17	20.780	8.460	83664	13	18.704	12.446	83736	22	0.950	16.513	83808	24	12.780	20.040	83880	22	0.170	25.100
83593	26	21.252	8.036	83665*	42	19.620	12.884	83737	15	1.250	16.154	83809	14	13.050	20.955	83881	14	2.966	25.176
83594*	74	0.882	9.215	83666	20	19.856	12.692	83738	31	3.696	16.540	83810	26	14.784	20.908	83882	23	7.306	25.726
83595*	39	1.010	9.908	83667*	39	24.586	12.831	83739	14	3.890	16.454	83811	23	18.571	20.531	83883	39	11.244	25.346
83596	14	1.200	9.658	83668	18	2.706	13.984	83740	17	4.744	16.542	83812	22	19.528	20.132	83884	17	12.806	25.292
83597	24	2.510	9.097	83669	26	5.336	13.414	83741	13	5.816	16.274	83813	23	21.708	20.982	83885	28	15.176	25.995
83598	18	3.964	9.156	83670	24	5.616	13.765	83742	15	8.405	16.496	83814	16	23.541	20.970	83886	24	17.486	25.736
83599	38	5.365	9.633	83671*	44	6.729	13.114	83743	13	10.391	16.846	83815	18	25.731	20.868	83887	37	17.954	25.391
83600	23	6.628	9.984	83672	13	7.950	13.144	83744	20	10.536	16.284	83816	34	2.338	21.146	83888	15	20.756	25.044
83601	19	6.794	9.926	83673	37	8.552	13.054	83745	13	13.080	16.487	83817	37	2.567	21.355	83889	32	22.644	25.424
83602	16	9.664	9.216	83674	30	8.901	13.665	83746	17	15.834	16.936	83818*	38	3.128	21.404				
83603	16	11.594	9.																

R.A. 20 ^h 36 ^m				83956				84028				84100				84172			
Plate 2022; 1922 Oct. 23.				83957				84029				84101				84173			
Provisional Constants.				83958				84030				84102				84174*			
A B C				83959				84031				84103				84175			
-01744 +01318 -4991				83960				84032				84104				84176			
D E F				83961				84033				84105				84177			
-01293 -01754 -2396				83962				84034				84106				84178			
Mag. = 16.3 - 0.96√d				83963				84035*				84107				84179			
				83964				84036				84108				84180			
				83965				84037				84109				84181			
				83966				84038				84110				84182			
				83967				84039				84111				84183			
				83968				84040				84112				84184			
				83969				84041				84113				84185			
				83970				84042				84114				84186*			
				83971				84043				84115				84187			
				83972				84044				84116				84188			
				83973				84045				84117				84189*			
				83974				84046				84118				84190			
				83975				84047				84119				84191			
				83976				84048				84120				84192			
				83977				84049				84121				84193			
				83978				84050				84122				84194			
				83979				84051				84123				84195			
				83980				84052				84124*				84196			
				83981				84053				84125				84197			
				83982				84054				84126				84198			
				83983				84055				84127				84199			
				83984				84056				84128				84200*			
				83985				84057				84129				84201*			
				83986				84058				84130				84202			
				83987				84059				84131				84203*			
				83988				84060				84132*				84204			
				83989				84061				84133				84205			
				83990				84062				84134				84206			
				83991				84063				84135*				84207			
				83992				84064				84136				84208			
				83993				84065				84137				84209			
				83994				84066				84138				84210			
				83995				84067				84139				84211			
				83996				84068				84140				84212			
				83997				84069				84141				84213			
				83998				84070*				84142				84214			
				83999				84071				84143				84215			
				84000*				84072				84144				84216			
				84001				84073				84145				84217			
				84002				84074*				84146				84218			
				84003				84075				84147				84219			
				84004*				84076				84148				84220			
				84005				84077*				84149				84221			
				84006				84078				84150				84222			
				84007				84079				84151				84223			
				84008				84080				84152				84224*			
				84009*				84081				84153				84225			
				84010				84082				84154				84226			
				84011				84083				84155				84227			
				84012				84084				84156				84228			
				84013				84085*				84157				84229			
				84014				84086				84158				84230*			
				84015				84087				84159				84231			
				84016				84088				84160				84232*			
				84017				84089				84161				84233			
				84018				84090				84162				84234			
				84019				84091				84163				84235			
				84020				84092				84164				84236			
				84021				84093				84165				84237			
				84022				84094*				84166				84238			
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				84026				84098				84170				84242			
				84027				84099*				84171				84243			

84244	11	1-014	15-416	84316*	47	20-080	18-779	84388	23	21-362	21-508	84460	8	12-955	25-437	84536	24	9-206	2-466
84245	10	2-246	15-654	84317	29	21-312	18-367	84389	25	21-434	21-528	84461	9	13-680	25-860	84537	38	10-349	2-636
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85328	23	19.320	23.832	85417	31	2.490	1.930	85489	34	17.578	4.223	85561	14	2.380	9.898	85633*	41	23.485	12.941
85329	22	21.126	23.064	85418	11	2.986	1.596	85490	17	18.650	4.417	85562	24	3.602	9.442	85634	14	24.234	12.350
85330	14	22.167	23.364	85419	13	5.014	1.195	85491*	40	21.272	4.940	85563*	39	4.188	9.314	85635	26	25.524	12.206
85331	16	24.078	23.835	85420	19	5.640	1.136	85492	12	22.475	4.914	85564	23	5.775	9.980	85636	17	25.570	12.710
85332	48	0.322	24.044	85421	30	6.024	1.289	85493*	44	5.330	5.220	85565	18	5.882	9.304	85637	13	0.764	13.820
85333*	55	1.032	24.050	85422	15	8.034	1.154	85494	20	6.492	5.896	85566*	39	7.674	9.140	85638	24	2.383	13.526
85334	42	2.140	24.712	85423	14	8.293	1.352	85495	20	7.465	5.642	85567	12	7.878	9.035	85639	10	2.830	13.404
85335	17	3.696	24.884	85424	12	8.463	1.726	85496	23	8.982	5.060	85568	13	8.684	9.075	85640*	45	7.038	13.119
85336	39	8.314	24.854	85425	10	10.884	1.352	85497	10	9.142	5.200	85569	11	8.835	9.225	85641	12	7.260	13.970
85337	15	10.278	24.237	85426	15	11.467	1.472	85498	12	11.250	5.458	85570	14	9.010	9.732	85642*	40	10.950	13.693
85338	13	10.630	24.604	85427	27	12.414	1.809	85499	10	13.691	5.252	85571	13	9.848	9.449	85643	29	12.461	13.820
85339	18	10.702	24.438	85428	30	13.037	1.226	85500*	39	15.206	5.614	85572	10	10.438	9.901	85644	10	12.930	13.050
85340	21	12.183	24.285	85429	10	13.853	1.551	85501	11	16.612	5.422	85573	20	11.380	9.270	85645	11	13.446	13.438
85341*	52	14.324	24.234	85430	20	15.326	1.659	85502	14	16.685	5.952	85574	11	13.042	9.140	85646	12	14.772	13.078
85342	34	15.100	24.230	85431*	38	18.670	1.616	85503	26	17.431	5.227	85575	15	16.971	9.159	85647	11	15.178	13.760
85343*	50	20.124	24.776	85432	17	19.680	1.482	85504*	35	17.450	5.226	85576	14	17.032	9.178	85648	16	17.852	13.042
85344	19	20.178	24.864	85433	12	19.733	1.960	85505	10	23.131	5.310	85577	10	18.160	9.258	85649	16	18.344	13.090
85345	39	20.403	24.544	85434	13	19.777	1.806	85506	13	23.792	5.670	85578	19	18.370	9.682	85650	22	18.395	13.660
85346	54	24.065	24.767	85435*	62	20.580	1.760	85507	12	1.416	6.358	85579*	75	18.742	9.454	85651	17	18.850	13.796
85347	37	5.185	25.748	85436	18	20.870	1.082	85508	13	3.625	6.977	85580	11	21.628	9.216	85652	10	19.087	13.487
85348	17	5.712	25.151	85437	27	21.867	1.720	85509	10	3.764	6.854	85581	21	22.570	9.378	85653	15	22.006	13.462
85349	55	5.875	25.829	85438	36	22.708	1.928	85510	22	3.946	6.306	85582	11	24.532	9.918	85654	17	22.620	13.456
85350	22	10.402	25.106	85439	12	1.254	2.932	85511	10	5.486	6.054	85583	15	25.185	9.774	85655	33	24.172	13.756
85351	15	10.700	25.050	85440	27	3.746	2.903	85512	12	11.402	6.420	85584	28	0.998	10.760	85656	34	25.346	13.693
85352*	61	11.091	25.234	85441	14	4.916	2.434	85513	12	12.175	6.864	85585	24	1.846	10.524	85657	11	25.360	13.302
85353	23	16.858	25.294	85442	12	7.016	2.870	85514	28	17.210	6.022	85586	12	3.337	10.818	85658	34	25.364	13.668
85354*	62	18.030	25.640	85443*	37	7.600	2.244	85515	14	19.774	6.069	85587	13	5.796	10.269	85659	22	0.234	14.768
85355	23	19.462	25.127	85444	25	8.086	2.914	85516	10	21.142	6.558	85588	30	8.185	10.806	85660	30	1.198	14.385
85356	59	20.515	25.929	85445	31	8.906	2.170	85517	12	21.336	6.234	85589	19	8.660	10.842	85661	14	1.278	14.564
85357	48	21.070	25.266	85446*	33	10.751	2.656	85518	14	22.969	6.290	85590	30	8.686	10.976	85662	23	1.311	14.800
85358	18	21.746	25.730	85447	10	10.920	2.301	85519	16	23.826	6.984	85591	11	9.344	10.116	85663	10	1.461	14.808
85359*	58	21.951	25.370	85448	12	11.934	2.364	85520*	30	25.123	6.100	85592	11	10.557	10.382	85664	21	1.802	14.196
				85449	24	14.304	2.764	85521	11	0.328	7.903	85593	10	13.084	10.390	85665*	35	3.188	14.728
				85450	30	16.527	2.994	85522	15	0.925	7.308	85594	10	14.715	10.792	85666	14	4.376	14.716
				85451	15	16.660	2.180	85523	10	1.220	7.576	85595	11	14.745	10.286	85667	10	10.710	14.930
				85452	20	16.743	2.384	85524	14	2.242	7.286	85596	10	16.264	10.640	85668	10	13.144	14.007
				85453	12	18.674	2.912	85525	10	2.452	7.498	85597	26	18.310	10.405	85669	10	15.431	14.410
				85454	16	20.123	2.697	85526	28	2.903	7.676	85598	11	18.850	10.184	85670	29	16.356	14.822
				85455	10	22.142	2.569	85527	29	5.578	7.778	85599	21	20.272	10.749	85671	12	16.828	14.542
				85456	15	23.685	2.544	85528*	33	7.165	7.540	85600	10	20.598	10.546	85672	20	18.492	14.760
				85457	15	24.992	2.816	85529	32	8.784	7.584	85601	28	24.218	10.482	85673	10	20.550	14.296
				85458	10	1.810	3.656	85530*	38	9.098	7.665	85602	29	25.252	10.974	85674	10	21.085	14.282
				85459	26	1.940	3.093	85531	10	10.362	7.852	85603	25	0.946	11.062	85675	25	22.049	14.068
				85460	10	2.096	3.027	85532	25	14.073	7.741	85604	10	1.264	11.109	85676	12	24.853	14.906
				85461	14	2.664	3.547	85533	12	16.186	7.940	85605	10	1.322	11.973	85677	14	4.281	15.038
				85462	11	5.987	3.686	85534	12	16.774	7.274	85606	12	3.490	11.097	85678	10	7.793	15.372
				85463	12	6.146	3.054	85535*	28	17.830	7.438	85607	13	6.317	11.034	85679	10	8.234	15.876
				85464	15	7.602	3.150	85536	10	18.324	7.973	85608	10	8.330	11.161	85680	16	8.792	15.623
				85465	17	10.214	3.840	85537	15	18.526	7.494	85609*	30	9.341	11.574	85681	18	12.257	15.080
				85466	12	10.264	3.382	85538	24	20.206	7.898	85610*	38	10.405	11.468	85682*	36	12.521	15.838
				85467	19	11.521	3.662	85539	28	20.460	7.066	85611	10	11.786	11.220	85683	22	13.080	15.404
				85468	16	13.496	3.220	85540	10	21.910	7.670	85612	11	13.820	11.958	85684	10	15.804	15.775
				85469	23	14.796	3.700	85541	12	22.780	7.460	85613	11	14.620	11.528	85685	10	17.930	15.634
				85470	22	17.135	3.720	85542	19	23.144	7.261	85614	10	15.930	11.113	85686	30	23.242	15.429
				85471	11	18.932	3.646	85543	10	23.419	7.618	85615	10	18.574	11.708	85687	31	25.550	15.968
				85472	12	19.184	3.776	85544	21	1.376	8.684	85616	12	18.966	11.276	85688	18	0.238	16.910
				85473	12	19.280	3.746	85545*	35	1.810	8.415	85617*	53	24.356	11.710	85689*	62	0.637	16.001
				85474	12	19.886	3.476	85546	16	3.176	8.332	85618	58	25.768	11.141	85690	20	0.795	16.434
				85475	12	19.945	3.076	85547	10	3.578	8.284	85619*	38	2.245	12.485	85691	10	2.500	16.636
				85476	10	22.149	3.948	85548	14	4.585	8.596	85620	13	3.010	12.845	85692	10	4.166	16.044
				85477	26	22.365	3.846	85549	10	8.064	8.528	85621	10	5.439	12.192	85693	11	5.238	16.374
				85478	23	23.426	3.882	85550	11	11.915	8.014	85622	10	5.587	12.784	85694*	35	5.304	16.593
				85479	11	2.450	4.140	85551*	34	11.925	8.293	85623	10	9.976	12.268	85695	10	5.925	16.823
				85480	10	3.962	4.861	85552	13	12.203	8.902	85624	11	12.227	12.174	85696	12	6.041	16.040
				85481	13	5.787	4.155	85553	15	12.305	8.680	85625	23	12.468	12.102	85697	10	6.160	16.389
				85482	18	7.766	4.932	85554	29	13.378	8.954	85626	14	14.214	12.882	85698	35	12.940	16.768
				8															

85705	13	24.050	16.179	85777*	35	19.172	20.749	85849	31	8.556	25.496	85934	21	14.969	2.212	86006	20	11.914	6.045
85706	28	25.694	16.690	85778	24	19.926	20.092	85850	12	11.505	25.662	85935	19	16.637	2.318	86007*	40	12.836	6.511
85707	15	0.678	17.646	85779	28	20.160	20.716	85851	10	12.565	25.836	85936*	43	21.853	2.965	86008	12	12.998	6.318
85708	16	1.814	17.036	85780	10	21.870	20.458	85852	14	13.368	25.200	85937*	74	22.470	2.386	86009	11	13.088	6.383
85709	25	2.856	17.148	85781	13	25.869	20.900	85853	14	13.732	25.558	85938	19	23.815	2.593	86010*	52	13.224	6.175
85710	10	8.697	17.270	85782	29	1.374	21.028	85854	14	14.206	25.208	85939	14	24.286	2.968	86011	17	13.796	6.100
85711	14	12.479	17.783	85783	14	7.342	21.472	85855	10	14.284	25.603	85940	17	25.582	2.146	86012	22	14.866	6.921
85712	10	13.052	17.670	85784	31	7.440	21.278	85856	14	15.482	25.016	85941	22	0.555	3.832	86013	29	16.902	6.529
85713	32	13.952	17.984	85785	10	7.646	21.390	85857	13	16.570	25.662	85942	24	1.616	3.858	86014	12	18.210	6.242
85714	10	15.330	17.780	85786	10	8.708	21.070	85858	23	17.975	25.532	85943	11	4.620	3.478	86015	20	19.145	6.875
85715	10	16.412	17.851	85787	29	9.714	21.614	85859	20	18.310	25.169	85944	12	6.563	3.771	86016*	57	22.452	6.346
85716	31	16.520	17.152	85788	17	9.730	21.845	85860	20	18.563	25.464	85945	20	6.736	3.061	86017	16	22.914	6.738
85717	33	19.380	17.560	85789	30	10.593	21.004	85861	13	19.414	25.220	85946	10	7.834	3.624	86018	10	24.266	6.326
85718	15	19.419	17.596	85790	10	13.802	21.939	85862	14	22.096	25.700	85947	10	8.526	3.394	86019	12	24.434	6.054
85719	16	23.426	17.050	85791	10	14.542	21.786	85863	22	24.886	25.991	85948	12	8.534	3.162	86020*	51	24.492	6.000
85720	35	0.396	18.514	85792	10	16.306	21.100					85949	20	10.270	3.880	86021	12	0.995	7.442
85721*	44	1.091	18.366	85793	10	16.348	21.550					85950	10	11.734	3.422	86022	19	1.358	7.240
85722	25	1.126	18.080	85794	26	16.980	21.227					85951	14	12.084	3.806	86023	18	4.257	7.869
85723	25	1.674	18.778	85795	29	18.450	21.088					85952	19	12.359	3.299	86024	11	4.806	7.014
85724	22	1.815	18.190	85796	10	19.960	21.494					85953	17	12.545	3.655	86025	20	4.820	7.716
85725	10	2.575	18.954	85797	19	21.639	21.702					85954	14	12.577	3.247	86026	11	5.514	7.810
85726	23	3.600	18.482	85798	12	1.133	22.825					85955*	51	15.845	3.350	86027	17	5.933	7.355
85727	23	3.792	18.430	85799	12	2.236	22.002					85956*	70	16.395	3.258	86028	22	7.770	7.726
85728	13	4.060	18.908	85800	20	4.052	22.224					85957	40	16.437	3.804	86029	12	12.606	7.130
85729	12	4.745	18.376	85801	32	5.700	22.221					85958	35	17.749	3.550	86030*	110	13.594	7.932
85730	10	6.372	18.974	85802	13	5.848	22.172					85959	28	18.960	3.475	86031	40	14.676	7.829
85731	34	9.752	18.020	85803	26	8.615	22.802					85960	13	19.006	3.385	86032	13	16.530	7.635
85732	13	10.885	18.458	85804	31	13.529	22.300					85961	43	23.573	3.668	86033	13	17.003	7.234
85733	20	11.580	18.474	85805	12	14.399	22.278					85962	38	23.732	3.795	86034	11	17.218	7.372
85734	26	12.534	18.149	85806	10	17.670	22.964					85963	19	25.174	3.171	86035	19	17.433	7.430
85735	13	12.983	18.174	85807	22	21.103	22.750					85964	12	25.940	3.064	86036	13	18.068	7.714
85736	10	16.534	18.183	85808	10	23.818	22.074					85965	12	0.672	4.898	86037	25	18.196	7.484
85737	29	17.642	18.122	85809	14	24.272	22.754					85966	15	6.390	4.545	86038	27	19.154	7.749
85738	12	17.856	18.947	85810	10	0.402	23.308					85967	12	6.536	4.712	86039*	45	19.535	7.584
85739	22	18.250	18.843	85811	10	1.328	23.380					85968	28	6.905	4.846	86040	13	20.195	7.800
85740	12	18.268	18.783	85812	19	3.228	23.702					85969	28	7.294	4.102	86041	20	1.236	8.948
85741	32	18.392	18.956	85813	11	4.617	23.822					85970	18	8.006	4.226	86042*	38	1.285	8.364
85742	13	19.012	18.398	85814	26	4.818	23.627					85971*	51	8.414	4.194	86043	25	4.233	8.260
85743	12	20.440	18.434	85815	10	6.521	23.658					85972	13	8.870	4.340	86044	14	6.650	8.986
85744	12	22.366	18.591	85816	17	7.104	23.596					85973	15	10.886	4.715	86045	18	8.230	8.815
85745	28	23.082	18.035	85817	21	9.677	23.317					85974	30	16.032	4.540	86046	24	14.354	8.818
85746	25	23.088	18.044	85818	14	10.430	23.234					85975	13	17.006	4.184	86047	13	20.170	8.276
85747	30	24.015	18.975	85819	12	12.641	23.541					85976	16	17.030	4.240	86048	37	20.610	8.990
85748	30	3.525	19.117	85820	12	16.330	23.765					85977	17	17.690	4.451	86049	11	20.986	8.192
85749	10	9.519	19.033	85821	20	18.088	23.114					85978	12	18.376	4.004	86050	13	21.413	8.044
85750	10	10.020	19.532	85822	16	24.114	23.198					85979*	56	20.272	4.405	86051	12	25.490	8.815
85751	32	12.035	19.187	85823	16	25.925	23.689					85980	12	25.209	4.384	86052	18	0.800	9.362
85752	13	12.291	19.118	85824	38	2.330	24.658					85981	12	1.332	5.291	86053	12	2.767	9.884
85753	10	12.606	19.264	85825	15	3.245	24.353					85982	11	1.995	5.644	86054	18	3.419	9.738
85754	15	13.305	19.925	85826	11	5.544	24.242					85983	25	6.723	5.350	86055	14	4.970	9.488
85755*	63	15.842	19.859	85827*	34	7.924	24.788					85984	14	6.926	5.213	86056	14	5.468	9.100
85756	10	16.010	19.180	85828	24	9.030	24.946					85985	14	8.632	5.695	86057	23	5.505	9.106
85757*	89	16.379	19.072	85829*	42	10.660	24.596					85986	20	9.780	5.108	86058	19	6.006	9.355
85758	11	17.702	19.791	85830	14	11.979	24.114					85987	19	10.535	5.326	86059	11	6.722	9.940
85759	15	19.650	19.191	85831	12	12.238	24.008					85988	12	11.653	5.140	86060	33	7.228	9.905
85760	18	19.872	19.204	85832	11	13.529	24.470					85989	12	11.810	5.906	86061	22	7.509	9.540
85761	34	20.024	19.679	85833	25	14.175	24.380					85990	28	11.935	5.946	86062	22	9.054	9.121
85762	32	20.362	19.633	85834*	33	14.268	24.204					85991	13	13.335	5.956	86063	26	9.190	9.108
85763	12	22.274	19.222	85835	32	14.335	24.000					85992	14	13.634	5.625	86064	23	15.397	9.178
85764	22	22.640	19.454	85836*	41	15.308	24.374					85993	27	15.310	5.376	86065	19	15.910	9.724
85765	12	22.807	19.857	85837	10	15.311	24.212					85994	14	15.543	5.659	86066	14	19.704	9.132
85766	30	23.638	19.814	85838	10	15.556	24.201					85995	16	16.305	5.743	86067	35	20.968	9.215
85767	30	1.278	20.502	85839*	34	15.856	24.250					85996	30	18.205	5.386	86068	32	25.492	9.758
85768	11	3.068	20.736	85840	25	17.060	24.014					85997	14	18.280	5.405	86069	26	2.455	10.452
85769	11	4.494	20.934	85841*	61	22.215	24.696					85998	24	18.670	5.170	86070	28	3.495	10.936
85770	10	5.356	20.066	85842	24	24.106	24.290					85999	12	23.000	5.431	86071	14	7.595	10.065
85771	12	8.297	20.191	85843	18	0.046	25.684					86000	32	24.438	5.081	86072	35	7.882	10.546
85772	17	13.076	20.288	85844	11	0.147	25.418					86001	20	25.691	5.191	86073	22	11.235	10.588
85773	34																		

86078	12	21.358	10.475	86150	12	12.882	15.046	86222	22	8.300	20.603	R.A. 21 ^h 16 ^m Plate 2007; 1922 Oct. 12. Provisional Constants. A B C -01737 +00940 +0952 D E F -00907 -01748 -1524 Mag.=16.6-0.96√d	86356	39	25.379	4.455
86079	22	23.355	10.890	86151	11	14.305	15.440	86223	12	8.535	20.250		86357	10	25.660	4.965
86080	14	23.921	10.945	86152	11	14.875	15.838	86224	12	9.851	20.901		86358	12	1.331	5.760
86081*	67	2.601	11.680	86153*	60	14.983	15.789	86225	26	12.714	20.579		86359	29	2.762	5.389
86082*	73	4.006	11.100	86154*	36	16.288	15.916	86226	24	14.729	20.697		86360	18	4.020	5.480
86083	19	4.382	11.792	86155*	58	20.859	15.012	86227	12	16.504	20.254		86361	19	6.212	5.520
86084	11	6.032	11.905	86156	14	21.316	15.351	86228	12	23.016	20.510		86362	22	12.353	5.696
86085*	45	8.284	11.860	86157	12	2.333	16.150	86229	11	23.324	20.340		86363	21	16.810	5.868
86086	23	10.503	11.342	86158	22	3.980	16.650	86230	14	25.901	20.901		86364	14	19.250	5.900
86087	40	11.902	11.674	86159	17	5.640	16.820	86231	22	5.816	21.946		86365	13	23.231	5.412
86088*	78	12.029	11.866	86160	23	6.035	16.958	86232	12	7.249	21.462	86366*	56	0.790	6.684	
86089	30	13.185	11.724	86161	12	7.415	16.464	86233*	42	7.735	21.168	86367	10	2.612	6.638	
86090	13	15.025	11.795	86162	40	9.916	16.705	86234	17	8.638	21.754	86368	11	2.772	6.362	
86091*	47	16.786	11.644	86163	16	10.730	16.620	86235	14	10.010	21.395	86369*	54	2.823	6.309	
86092	19	18.198	11.198	86164	24	12.173	16.335	86236	12	14.674	21.244	86370	29	4.614	6.921	
86093	22	18.903	11.090	86165	28	12.215	16.113	86237	14	14.728	21.586	86371*	57	5.170	6.195	
86094	10	20.566	11.816	86166	18	14.244	16.438	86238	40	15.460	21.417	86372	32	5.304	6.916	
86095	14	25.607	11.795	86167	29	14.934	16.904	86239	12	22.830	21.016	86373	10	5.458	6.023	
86096*	42	1.740	12.918	86168	10	15.574	16.483	86240	15	2.606	22.725	86374	19	6.418	6.523	
86097	16	2.486	12.320	86169	19	15.790	16.932	86241	29	5.232	22.019	86375	11	7.760	6.252	
86098	26	3.775	12.166	86170	24	18.190	16.378	86242	11	5.883	22.206	86376	30	10.396	6.387	
86099	15	3.825	12.670	86171	22	18.344	16.753	86243	20	9.224	22.566	86377	12	11.991	6.990	
86100*	40	4.608	12.151	86172	14	19.777	16.520	86244*	40	9.475	22.458	86378	32	14.306	6.256	
86101	33	4.932	12.535	86173	31	23.105	16.215	86245	30	10.792	22.724	86379*	41	19.798	6.396	
86102	16	6.004	12.282	86174	14	23.324	16.280	86246	18	11.128	22.114	86380*	42	22.953	6.128	
86103	12	6.020	12.708	86175	20	23.375	16.206	86247	30	14.101	22.360	86381	10	25.045	6.929	
86104	15	6.613	12.276	86176	16	23.904	16.122	86248	25	15.125	22.222	86382	15	1.266	7.070	
86105	15	6.881	12.022	86177	15	1.715	17.025	86249	10	15.857	22.138	86383	24	5.815	7.540	
86106	28	10.640	12.615	86178	19	6.176	17.164	86250	26	18.961	22.790	86384	35	7.878	7.669	
86107	26	13.394	12.452	86179	26	7.433	17.094	86251	17	19.406	22.745	86385	20	14.614	7.578	
86108	12	16.054	12.900	86180	12	10.595	17.095	86252	31	22.275	22.682	86386	28	15.452	7.507	
86109	18	16.336	12.620	86181	38	11.496	17.996	86253	25	22.642	22.316	86387*	42	16.540	7.103	
86110	12	17.534	12.668	86182	30	12.572	17.336	86254	16	24.800	22.622	86388	15	22.672	7.585	
86111	13	22.350	12.914	86183	20	14.935	17.656	86255	13	2.452	23.169	86389	11	24.334	7.416	
86112	13	22.585	12.940	86184	25	17.430	17.190	86256	16	4.266	23.645	86390	29	24.388	7.791	
86113	14	0.268	13.451	86185	12	19.518	17.050	86257	14	6.019	23.776	86391	18	5.813	8.136	
86114	14	0.882	13.440	86186*	44	20.610	17.845	86258	12	8.710	23.710	86392*	41	6.936	8.930	
86115	35	2.434	13.727	86187	11	20.644	17.032	86259	34	9.878	23.306	86393	16	9.950	8.822	
86116	33	3.608	13.656	86188	12	0.667	18.576	86260*	48	15.480	23.675	86394	32	11.940	8.760	
86117	12	3.621	13.264	86189	38	1.380	18.019	86261	25	17.720	23.238	86395	10	12.630	8.027	
86118	33	3.626	13.631	86190	29	2.318	18.948	86262*	82	0.557	24.682	86396	15	13.372	8.133	
86119	13	7.506	13.986	86191*	51	6.910	18.556	86263	19	2.454	24.259	86397	13	19.632	8.665	
86120	35	9.412	13.538	86192*	58	6.934	18.572	86264*	48	5.698	24.272	86398	13	24.240	8.460	
86121*	45	13.354	13.088	86193	20	7.526	18.905	86265	19	6.340	24.640	86399	10	3.872	9.110	
86122	14	16.225	13.976	86194	14	10.374	18.389	86266	13	8.772	24.986	86400	33	5.711	9.117	
86123	12	18.960	13.400	86195	24	12.015	18.600	86267	12	9.036	24.540	86401	13	7.571	9.863	
86124	10	18.971	13.399	86196	26	12.766	18.925	86268	17	9.236	24.078	86402	14	11.908	9.009	
86125	24	21.505	13.784	86197	18	14.894	18.990	86269	32	17.004	24.422	86403	11	12.682	9.858	
86126	23	25.471	13.038	86198	15	16.297	18.448	86270	17	18.250	24.459	86404	12	15.246	9.865	
86127	24	0.316	14.055	86199	20	18.980	18.678	86271*	48	20.437	24.004	86405	10	15.399	9.157	
86128	13	3.125	14.872	86200	20	19.485	18.160	86272	12	0.456	25.685	86406	12	16.466	9.323	
86129	21	4.270	14.572	86201*	34	22.809	18.898	86273	24	3.246	25.956	86407	13	18.364	9.442	
86130	11	4.296	14.700	86202	18	24.545	18.624	86274	12	4.700	25.266	86408	14	19.408	9.975	
86131	26	5.310	14.790	86203	19	0.948	19.438	86275	10	8.375	25.768	86409	30	3.885	10.050	
86132	22	6.914	14.814	86204	12	1.118	19.836	86276	36	8.924	25.735	86410	10	4.266	10.367	
86133	17	8.014	14.817	86205	25	1.949	19.788	86277	12	10.472	25.661	86411	23	6.470	10.665	
86134*	85	11.945	14.416	86206	10	7.100	19.061	86278	14	10.536	25.708	86412*	42	7.953	10.002	
86135	12	14.584	14.724	86207	13	7.519	19.038	86279	12	11.344	25.012	86413*	74	10.176	10.299	
86136	26	17.585	14.027	86208	10	9.234	19.274	86280	18	13.935	25.576	86414	23	13.766	10.490	
86137	28	19.667	14.010	86209	24	9.461	19.975	86281	28	22.544	25.500	86415*	34	1		

86428*	42	14.958	11.843	86500	14	2.393	16.438	86572	12	22.797	21.972	<div>R.A. 21^h 24^m</div> <div>Plate 2036 ; 1922 Nov. 18.</div> <div>Provisional Constants.</div> <div>A B C</div> <div>-01761 +01668 +4439</div> <div>D E F</div> <div>-01628 -01734 +1586</div> <div>Mag.=16.1-0.96√d</div>	86706	14	7.652	4.902
86429	18	15.010	11.175	86501	10	5.326	16.198	86573	20	24.382	21.041		86707	11	7.900	4.256
86430	16	15.460	11.834	86502	18	6.550	16.772	86574	12	25.264	21.222		86708	13	9.045	4.442
86431	15	16.620	11.591	86503	19	12.125	16.180	86575	17	1.222	22.650		86709	13	12.005	4.494
86432*	49	18.764	11.011	86504	13	13.634	16.334	86576	21	3.383	22.924		86710	10	12.530	4.260
86433	10	19.100	11.150	86505	16	14.639	16.650	86577	34	5.664	22.819		86711	12	16.186	4.064
86434	10	20.060	11.176	86506	26	15.440	16.996	86578	16	5.864	22.050		86712	11	16.835	4.740
86435	38	20.447	11.758	86507	14	19.824	16.622	86579	25	6.856	22.042		86713	29	18.218	4.520
86436	11	21.448	11.267	86508	10	5.730	17.314	86580	26	7.978	22.466		86714	11	21.434	4.562
86437	13	22.690	11.910	86509	16	6.560	17.982	86581*	36	10.186	22.570		86715	14	21.563	4.910
86438	12	24.539	11.480	86510	24	7.672	17.150	86582*	40	11.682	22.470	86716	37	22.084	4.653	
86439	41	25.004	11.280	86511	10	8.845	17.863	86583*	52	11.876	22.164	86717	40	23.531	4.347	
86440	13	25.123	11.570	86512	10	16.565	17.816	86584	15	12.068	22.884	86718	22	24.283	4.954	
86441	17	4.031	12.086	86513	12	20.838	17.383	86585*	58	14.415	22.478	86719	13	25.575	4.104	
86442	26	5.148	12.096	86514	10	21.498	17.178	86586	18	17.540	22.896	86720	12	1.812	5.906	
86443	16	7.774	12.100	86515*	55	23.500	17.389	86587	12	18.310	22.473	86721	14	4.230	5.406	
86444	15	10.400	12.224	86516	27	24.364	17.458	86588	10	21.904	22.290	86722	18	5.789	5.404	
86445	13	10.772	12.776	86517	14	25.546	17.936	86589	13	23.462	22.393	86723	40	10.716	5.240	
86446	16	11.236	12.820	86518	16	3.072	18.932	86590	10	24.608	22.708	86724*	40	11.774	5.606	
86447	16	12.223	12.016	86519	18	7.492	18.506	86591	50	24.850	22.423	86725	11	12.281	5.918	
86448	25	19.028	12.950	86520	11	8.606	18.564	86592	53	24.860	22.446	86726	15	13.764	5.349	
86449	14	19.130	12.050	86521	18	11.491	18.402	86593	30	0.861	23.022	86727	11	14.704	5.520	
86450	12	20.441	12.160	86522	26	11.500	18.928	86594	10	6.476	23.776	86728	10	18.291	5.964	
86451	32	21.756	12.948	86523	13	14.288	18.871	86595	27	7.820	23.590	86729	34	18.306	5.340	
86452	10	0.790	13.253	86524	10	15.638	18.644	86596	24	8.948	23.510	86730	17	20.224	5.529	
86453	10	1.026	13.276	86525	10	17.784	18.500	86597	18	10.178	23.978	86731	12	21.996	5.606	
86454	24	3.914	13.330	86526	25	18.984	18.642	86598	17	10.550	23.858	86732	22	22.132	5.702	
86455	21	9.700	13.690	86527	11	21.510	18.585	86599	14	11.023	23.890	86733	24	23.567	5.079	
86456	11	12.110	13.748	86528*	33	1.336	19.229	86600	23	12.013	23.330	86734*	58	24.180	5.630	
86457	24	13.185	13.598	86529	23	3.654	19.884	86601	10	13.218	23.532	86735*	37	1.544	6.629	
86458*	66	14.486	13.990	86530	17	5.904	19.480	86602	27	14.540	23.350	86736	16	11.194	6.786	
86459*	94	16.465	13.615	86531	21	6.642	19.626	86603*	49	16.266	23.069	86737	14	13.160	6.452	
86460	16	19.187	13.876	86532	18	8.024	19.786	86604	36	19.841	23.842	86738*	50	13.490	6.260	
86461	13	21.882	13.653	86533	16	14.023	19.085	86605	24	5.127	24.300	86739	22	14.840	6.237	
86462	29	22.441	13.262	86534	15	14.754	19.388	86606	10	6.588	24.603	86740	22	15.155	6.733	
86463	18	24.291	13.060	86535	10	17.159	19.790	86607	32	8.116	24.006	86741	30	15.562	6.594	
86464	10	25.182	13.944	86536	16	19.123	19.993	86608	34	9.850	24.590	86742	32	16.261	6.754	
86465	15	1.494	14.933	86537	22	20.840	19.817	86609	26	10.360	24.150	86743*	58	18.370	6.168	
86466	29	2.256	14.590	86538	15	21.834	19.710	86610	12	15.442	24.986	86744	15	19.845	6.474	
86467	13	6.458	14.710	86539	24	23.746	19.790	86611	37	18.810	24.100	86745	28	20.368	6.300	
86468	10	7.280	14.092	86540*	43	23.860	19.800	86612*	73	23.184	24.350	86746	10	25.880	6.850	
86469	13	8.440	14.893	86541	11	1.572	20.838	86613	28	23.810	24.330	86747	13	2.952	7.886	
86470	12	10.801	14.706	86542	10	1.876	20.664	86614	27	1.172	25.834	86748	14	3.652	7.385	
86471	10	12.406	14.260	86543	14	5.740	20.576	86615	10	6.314	25.247	86749*	34	5.981	7.825	
86472	31	12.550	14.144	86544	13	5.970	20.904	86616	34	7.269	25.976	86750	12	6.708	7.986	
86473	15	13.079	14.224	86545	27	6.730	20.580	86617	10	10.873	25.389	86751	12	7.883	7.974	
86474	10	15.673	14.118	86546	14	9.840	20.057	86618	10	11.920	25.562	86752	12	8.660	7.014	
86475	17	16.950	14.500	86547	27	10.148	20.791	86619	11	12.592	25.482	86753	10	11.027	7.261	
86476	13	17.700	14.964	86548	15	11.804	20.971	86620	26	14.670	25.636	86754	14	11.480	7.535	
86477	32	18.330	14.148	86549	20	13.046	20.864	86621	19	16.918	25.407	86755	13	12.100	7.332	
86478	33	18.506	14.994	86550	10	13.877	20.029	86622	19	17.866	25.246	86756	22	18.656	7.320	
86479*	92	19.536	14.536	86551	17	14.059	20.300	86623	21	19.268	25.530	86757	10	20.699	7.707	
86480	11	23.142	14.046	86552	10	14.358	20.860	86624	10	19.402	25.564	86758	22	24.318	7.750	
86481	15	3.524	15.118	86553	10	17.114	20.244	86625*	89	19.830	25.000	86759	26	24.802	7.720	
86482	19	6.072	15.058	86554*	70	20.186	20.950	86626	54	20.350	25.375	86760	18	1.293	8.090	
86483	10	8.288	15.726	86555*	57	22.655	20.657	86627	10	25.522	25.030	86761	14	2.880	8.930	
86484	18	8.596	15.978	86556	18	23.100	20.930	86628	27	25.599	25.810	86762	25	3.014	8.264	
86485	17	11.234	15.882	86557	11	1.395	21.348					86763	10	5.230	8.334	
86486	19	11.293	15.706	86558	19	4.460	21.185					86764	14	6.555	8.256	
86487	20	15.030	15.415	86559*	34	5.214	21.022					86765	13	7.097		

86778	26	12.476	9.804	86850	14	0.632	14.172	86922	15	16.420	18.501	86994	19	22.132	23.704	87075	18	2.279	2.074
86779	30	16.219	9.602	86851	10	1.899	14.542	86923	10	18.210	18.332	86995	13	25.087	23.593	87076	13	3.076	2.118
86780	19	17.605	9.944	86852	12	3.936	14.395	86924	30	18.520	18.984	86996*	65	2.152	24.841	87077	25	5.700	2.586
86781	23	18.048	9.246	86853	11	5.878	14.733	86925*	50	20.362	18.535	86997	25	2.784	24.801	87078	16	6.635	2.770
86782	12	18.075	9.258	86854	24	9.635	14.550	86926	11	21.757	18.884	86998	20	5.826	24.005	87079	23	10.014	2.217
86783	40	23.914	9.104	86855	25	9.670	14.404	86927	10	23.619	18.817	86999	12	7.366	24.372	87080	15	10.180	2.600
86784*	40	25.616	9.107	86856	22	9.803	14.068	86928	10	5.036	19.716	87000	12	9.175	24.807	87081	23	13.564	2.856
86785	16	25.925	9.861	86857	14	10.346	14.448	86929	10	5.788	19.114	87001	16	9.970	24.206	87082*	74	15.904	2.441
86786	22	0.890	10.788	86858*	42	10.562	14.028	86930	11	6.638	19.563	87002	34	12.009	24.844	87083	23	19.174	2.100
86787	20	0.998	10.976	86859	12	11.957	14.616	86931	11	7.000	19.846	87003	12	12.632	24.138	87084	35	19.565	2.466
86788	12	1.078	10.580	86860	19	12.664	14.831	86932	26	7.229	19.155	87004	12	16.690	24.046	87085	20	20.056	2.260
86789	24	4.848	10.833	86861	23	14.458	14.126	86933	10	7.510	19.475	87005	24	16.883	24.924	87086	30	0.004	3.859
86790	14	5.148	10.975	86862	14	14.819	14.210	86934	36	7.896	19.269	87006	11	20.154	24.322	87087	30	2.078	3.551
86791	16	8.964	10.058	86863	10	15.315	14.268	86935	16	8.653	19.825	87007	12	4.514	25.470	87088	18	2.315	3.984
86792	30	9.274	10.632	86864	26	15.638	14.832	86936	14	10.164	19.200	87008*	65	7.367	25.213	87089	39	3.776	3.496
86793	20	12.010	10.562	86865	10	15.894	14.518	86937	26	11.512	19.625	87009	35	8.435	25.310	87090	17	4.552	3.616
86794	18	17.197	10.818	86866	35	19.990	14.825	86938	15	12.101	19.372	87010	18	9.446	25.384	87091	46	6.796	3.015
86795*	31	17.736	10.184	86867	26	22.564	14.125	86939	18	12.350	19.278	87011*	57	10.220	25.202	87092*	53	9.220	3.814
86796	20	18.032	10.535	86868	25	23.534	14.221	86940	10	14.480	19.222	87012	25	13.860	25.979	87093	21	9.561	3.082
86797	25	21.190	10.462	86869	10	0.628	15.768	86941	10	14.690	19.190	87013	28	13.904	25.084	87094	21	13.955	3.420
86798	12	21.297	10.568	86870	13	2.870	15.934	86942	12	15.780	19.676	87014	29	19.350	25.280	87095	14	14.391	3.925
86799	11	0.148	11.796	86871	11	5.298	15.800	86943	33	21.744	19.081	87015	28	21.509	25.782	87096	30	16.800	3.456
86800	10	1.844	11.730	86872	13	9.144	15.222	86944	11	23.795	19.366	87016	24	21.509	25.480	87097	14	18.186	3.506
86801	13	3.240	11.942	86873	13	9.343	15.450	86945	13	24.043	19.220	87017	10	22.379	25.804	87098	60	24.800	3.026
86802	38	3.700	11.735	86874	15	9.796	15.054	86946	12	0.714	20.226					87099	46	0.266	4.238
86803*	138	5.125	11.037	86875	15	9.835	15.528	86947	20	2.624	20.266					87100	35	0.312	4.974
86804	12	6.104	11.550	86876	16	9.955	15.154	86948*	38	2.736	20.276					87101	35	1.026	4.843
86805	12	7.427	11.820	86877	12	11.573	15.420	86949	10	3.593	20.810					87102	16	4.762	4.015
86806	15	7.749	11.079	86878*	31	14.620	15.124	86950	10	4.074	20.423					87103	12	7.604	4.672
86807	24	7.765	11.506	86879	20	16.598	15.846	86951	16	7.584	20.188					87104	38	12.348	4.516
86808	20	8.020	11.855	86880	15	18.316	15.566	86952	12	8.160	20.720					87105	19	13.812	4.482
86809	12	12.448	11.015	86881	15	20.196	15.376	86953	31	8.898	20.636					87106	39	13.946	4.744
86810	12	12.546	11.524	86882	12	20.470	15.218	86954	20	11.307	20.876					87107	14	14.516	4.373
86811	24	13.308	11.495	86883	11	25.121	15.999	86955	15	12.951	20.362					87108	24	16.764	4.164
86812	10	15.380	11.472	86884	10	1.496	16.424	86956*	40	14.025	20.732					87109	19	17.852	4.612
86813	20	16.137	11.275	86885	12	3.648	16.434	86957*	40	14.530	20.341					87110	30	19.618	4.164
86814	12	16.934	11.786	86886	20	4.669	16.191	86958	24	15.492	20.025					87111	40	21.922	4.437
86815	12	21.001	11.123	86887	24	6.078	16.794	86959	20	18.026	20.350					87112*	72	22.360	4.976
86816	33	21.735	11.148	86888	11	7.164	16.144	86960	17	18.450	20.295					87113	18	22.801	4.055
86817	30	23.581	11.918	86889	16	7.250	16.296	86961	38	0.830	21.768					87114	30	22.890	4.252
86818*	37	24.968	11.406	86890	12	11.702	16.554	86962*	50	1.548	21.159					87115	38	23.179	4.776
86819	12	1.404	12.415	86891	17	15.218	16.781	86963	15	2.005	21.420					87116	14	25.202	4.540
86820	15	3.826	12.020	86892	10	19.316	16.520	86964	10	3.215	21.485					87117*	57	0.920	5.520
86821	20	5.499	12.228	86893*	40	19.902	16.135	86965	18	3.290	21.506					87118	15	2.248	5.284
86822	10	5.916	12.508	86894	11	20.100	16.447	86966	12	4.174	21.667					87119	23	4.002	5.216
86823	14	6.650	12.159	86895	35	22.226	16.825	86967	10	5.674	21.831					87120	20	8.100	5.498
86824*	32	12.748	12.345	86896	13	23.250	16.370	86968	35	12.345	21.880					87121	18	17.722	5.654
86825	19	15.675	12.720	86897	12	23.600	16.624	86969	10	0.842	22.804					87122	23	18.912	5.962
86826*	40	18.020	12.800	86898	34	24.430	16.520	86970	12	1.723	22.465					87123	23	18.952	5.690
86827	11	19.700	12.365	86899	31	24.734	16.048	86971	11	2.398	22.874					87124	39	21.126	5.538
86828	11	20.329	12.482	86900	10	0.324	17.700	86972	40	3.782	22.876					87125	26	24.808	5.696
86829	14	21.268	12.055	86901*	45	3.266	17.874	86973	43	3.790	22.904					87126	18	2.532	6.061
86830	16	21.515	12.880	86902	26	3.190	17.924	86974	11	9.517	22.695					87127	23	2.642	6.726
86831	18	22.208	12.668	86903*	40	9.080	17.110	86975	20	10.726	22.118					87128	31	4.582	6.384
86832	13	22.812	12.936	86904	13	10.632	17.932	86976	16	12.300	22.120					87129*	44	5.194	6.578
86833	26	0.490	13.470	86905	26	10.635	17.120	86977	20	12.928	22.150					87130	16	9.502	6.191
86834	22	1.181	13.769	86906	20	13.466	17.110	86978	18	14.084	22.960					87131	17	10.616	6.877
86835	17	3.029	13.530	86907	18	14.224	17.890	86979	10	14.099	22.096					87132	38	11.920	6.041
86836	11	5.184	13.786	86908	12	15.935	17.995	86980	30	17.319	22.360					87133	31	22.516	6.554
86837	11	5.506	13.694	86909	10	16.800	17.466	86981	14	19.112	22.309					87134	13	24.055	6.745
86838	10	5.582	13.194	86910	24	19.408	17.928	86982	22	23.570	22.066					87135	24	24.478	6.628
86839*	33	10.973	13.849	86911	16	20.555	17.855	86983	10	2.833	23.388					87136	30	1.079	7.638
86840	11	15.136	13.065	86912	16	21.676	17.794	86984	11	3.550	23.166					87137	38	1.564	7.606
86841	10	17.002	13.694	86913	14	22.083	17.444	86985	15	5.476	23.955					87138	16	5.736	7.105
86842	15	17.216	13.466	86914	14	23.750	17.515	86986	10	5.556	23.273					87139	31	6.056	7.618
86843*	50	20.708	13.448	86915*	40	25.238	17.346	86987	10	6.914	23.297					87140	20	7.995	7.630
86844	15	21.871	13.402	86916	18	4.384	18.376	86988	18	7.936	23.846								

87147*	56	18.064	7.694	87219	24	16.069	12.226	87291	13	2.755	18.764	87363	13	10.009	23.447	87425	25	20.128	1.420
87148*	40	20.624	7.829	87220	26	24.508	12.362	87292	15	4.743	18.760	87364	22	11.055	23.798	87426	12	22.344	1.391
87149	15	22.550	7.210	87221	37	25.054	12.633	87293	23	12.106	18.976	87365	41	12.443	23.384	87427	15	24.451	1.264
87150	38	23.272	7.774	87222	19	0.916	13.723	87294*	74	12.724	18.414	87366	38	20.910	23.394	87428*	55	1.280	2.071
87151	40	25.850	7.026	87223	23	1.752	13.320	87295	15	13.740	18.504	87367	16	21.455	23.274	87429	20	4.954	2.869
87152	17	0.430	8.085	87224	24	3.980	13.964	87296	38	16.232	18.494	87368	17	4.566	24.015	87430	36	5.475	2.367
87153	40	0.680	8.995	87225	33	7.076	13.736	87297	21	17.985	18.949	87369	30	7.520	24.618	87431	14	9.956	2.106
87154	14	1.300	8.350	87226	21	7.490	13.820	87298	15	23.968	18.866	87370	22	8.206	24.325	87432	11	12.056	2.890
87155*	40	2.384	8.986	87227	17	9.410	13.088	87299	16	24.450	18.276	87371	26	10.362	24.325	87433	30	12.274	2.619
87156	35	4.188	8.453	87228	34	10.053	13.070	87300	38	24.770	18.456	87372	39	10.744	24.198	87434	12	15.290	2.940
87157	16	5.964	8.654	87229	38	11.334	13.760	87301	36	24.879	18.136	87373	23	11.584	24.216	87435*	46	16.526	2.050
87158	17	8.296	8.681	87230	28	11.992	13.382	87302	26	25.037	18.856	87374*	58	11.598	24.494	87436	31	17.484	2.578
87159	21	8.690	8.404	87231	17	15.034	13.885	87303	18	0.640	19.261	87375	26	14.166	24.426	87437	14	18.568	2.760
87160	35	8.726	8.208	87232	18	18.526	13.506	87304	24	0.887	19.114	87376	26	15.790	24.136	87438	10	20.036	2.615
87161	26	11.035	8.739	87233	32	0.340	14.116	87305	16	4.015	19.244	87377	40	17.800	24.212	87439*	42	20.221	2.197
87162	21	11.350	8.650	87234	23	6.078	14.750	87306	24	4.962	19.727	87378	23	22.966	24.716	87440	19	20.403	2.435
87163	21	12.246	8.234	87235	22	6.710	14.496	87307*	52	5.713	19.050	87379*	55	23.918	24.734	87441	10	0.225	3.921
87164	22	12.834	8.866	87236	37	7.591	14.194	87308	18	8.276	19.476	87380	20	24.365	24.894	87442*	42	3.592	3.244
87165	12	13.150	8.056	87237	19	9.724	14.552	87309	30	8.712	19.901	87381*	60	4.754	25.095	87443	11	5.741	3.611
87166	14	18.814	8.735	87238	32	9.798	14.562	87310	16	0.691	19.795	87382	15	6.266	25.230	87444	10	5.932	3.613
87167	15	23.527	8.298	87239	19	10.626	14.531	87311	19	13.158	19.927	87383	19	7.935	25.265	87445	17	6.770	3.528
87168	40	24.618	8.846	87240	20	12.194	14.752	87312	14	13.262	19.836	87384	50	11.036	25.495	87446	12	7.995	3.559
87169	22	2.705	9.739	87241	22	16.016	14.972	87313	17	13.407	19.164	87385	74	12.044	25.820	87447	10	8.124	3.919
87170	35	3.024	9.706	87242	32	22.052	14.286	87314*	44	14.314	19.342	87386	17	14.020	25.376	87448	12	9.033	3.898
87171	14	5.050	9.488	87243	37	24.244	14.516	87315*	74	18.114	19.962	87387	21	23.582	25.232	87449	22	9.336	3.074
87172	18	8.124	9.915	87244	13	24.863	14.296	87316	16	18.406	19.916					87450	26	10.274	3.729
87173	18	8.655	9.170	87245	38	1.554	15.936	87317	14	19.024	19.595					87451	12	11.025	3.150
87174*	46	9.002	9.364	87246	22	1.944	15.884	87318	17	19.070	19.662					87452	10	11.770	3.248
87175	24	10.940	9.200	87247	15	7.816	15.254	87319	16	19.112	19.749					87453	26	13.197	3.094
87176	17	11.116	9.445	87248*	50	7.925	15.550	87320	17	19.162	19.700					87454	20	13.864	3.155
87177	17	14.302	9.724	87249	25	8.500	15.656	87321	20	19.211	19.761					87455	28	15.576	3.284
87178*	38	15.720	9.494	87250	23	9.385	15.334	87322	18	19.225	19.548					87456	23	18.150	3.461
87179*	38	16.084	9.314	87251	23	9.507	15.758	87323	17	19.236	19.605					87457	12	19.814	3.305
87180	38	21.240	9.671	87252	20	10.608	15.294	87324	15	19.346	19.807					87458	34	20.533	3.714
87181	14	21.702	9.542	87253	13	11.808	15.374	87325	24	21.938	19.850					87459	24	21.241	3.646
87182	32	23.900	9.763	87254	23	12.923	15.760	87326	26	22.410	19.105					87460	33	21.915	3.980
87183	40	3.178	10.154	87255	22	15.225	15.012	87327	20	24.619	19.784					87461	18	22.512	3.339
87184	22	8.099	10.875	87256	16	15.441	15.016	87328	28	25.426	19.188					87462*	40	23.455	3.810
87185	39	9.560	10.480	87257	11	15.616	15.713	87329	38	4.290	20.924					87463	18	24.494	3.628
87186	19	18.520	10.392	87258*	52	20.660	15.036	87330	18	5.818	20.199					87464	33	0.725	4.668
87187	35	19.508	10.946	87259	21	0.075	16.270	87331	34	11.136	20.067					87465	17	1.606	4.279
87188	23	21.324	10.999	87260	21	0.425	16.520	87332	18	12.360	20.888					87466	25	1.694	4.477
87189	16	21.787	10.088	87261	39	1.252	16.408	87333	21	12.639	20.485					87467	14	4.010	4.752
87190	35	0.371	11.812	87262	22	3.250	16.874	87334	36	12.800	20.322					87468	22	4.974	4.445
87191*	39	1.752	11.292	87263	32	3.802	16.374	87335	26	14.391	20.823					87469	13	7.219	4.126
87192	16	2.122	11.094	87264	15	4.310	16.268	87336	23	16.400	20.036					87470	10	8.526	4.074
87193	18	4.098	11.838	87265	19	5.922	16.216	87337	19	17.216	20.777					87471*	40	11.645	4.567
87194*	39	6.064	11.605	87266	28	10.340	16.354	87338	34	19.042	20.616					87472	12	14.506	4.606
87195	39	7.264	11.844	87267	36	10.795	16.976	87339	22	19.754	20.095					87473	15	15.620	4.638
87196	21	8.867	11.752	87268	14	11.840	16.184	87340	14	22.122	20.556					87474	10	16.660	4.905
87197	20	9.624	11.696	87269	42	12.354	16.962	87341	15	23.344	20.379					87475	22	23.760	4.411
87198	40	12.796	11.935	87270	32	15.394	16.784	87342*	118	23.685	20.700					87476	27	24.972	4.350
87199	28	13.674	11.770	87271	38	15.956	16.696	87343	37	0.434	21.965					87477*	60	1.164	5.204
87200	22	15.239	11.188	87272	14	16.574	16.284	87344*	54	13.940	21.076					87478	20	1.986	5.000
87201	13	18.243	11.290	87273	18	0.584	17.408	87345	17	15.544	21.161					87479	22	3.622	5.910
87202	14	18.872	11.984	87274*	41	2.086	17.230	87346*	40	18.172	21.774					87480	15	4.556	5.055
87203	14	19.572	11.401	87275	21	3.546	17.065	87347	16	19.788	21.067					87481	11	4.560	5.146
87204	23	20.903	11.412	87276	17	3.984	17.859	87348	23	24.435	21.766					87482	33	7.820	5.616
87205	38	21.336	11.826	87277	26	6.369	17.732	87349	16	25.045	21.573					87483	24	9.939	5.246
87206	38	22.306	11.394	87278	17	6.594	17.985	87350	37	5.384	22.192					87484	12	12.274	5.664
87207	35	0.769	12.950	87279	13	8.200	17.974	87351	34	6.775	22.173					87485	10	16.390	5.586
87208	21	2.394	12.976	87280	18	8.600	17.528	87352*	42	11.176	22.094					87486	10	16.747	5.045
87209	22	3.849	12.136	87281	14	12.514	17.402	87353	28	11.314	22.852					87487	12	20.972	5.612
87210	26	4.672	12.570	87282	20	12.524	17.634	87354	14	15.498	22.998					87488	10	23.447	5.754
87211	14	6.826	12.206	87283	34	14.194	17.144	87355	23	15.786	22.586					87489	23	23.492	5.656
87212	15	10.829	12.716	87284	22	17.114	17.833	87356	16	17.448	22.804					87490	31	25.270	5.030
87213	15	11.342	12.566	87285	20	19.640	17.747	87357	21	18.964	22.064					87491	18	1.332	6.782
87214	2																		

87497	13	11-658	6-232	87569	11	23-072	10-390	87641	20	10-015	16-822	87713	27	19-045	20-969	R.A. 21 ^h 48 ^m Plate 2015; 1922 Oct. 14. Provisional Constants. A B C -01763 +01003 -9139 D E F -00979 -01779 -3824 Mag.=16.4-0.96√d
87498	10	14-472	6-550	87570	19	0-165	11-235	87642	11	12-555	16-444	87714	10	21-086	20-738	
87499	20	15-076	6-034	87571	33	1-150	11-620	87643	22	17-737	16-946	87715	28	22-460	20-110	
87500	11	16-864	6-660	87572	17	4-856	11-054	87644	12	17-915	16-115	87716	11	24-202	20-674	
87501	10	17-245	6-794	87573	20	5-466	11-525	87645	39	20-655	16-268	87717	10	24-228	20-667	
87502	14	19-365	6-677	87574	12	9-234	11-714	87646	18	23-375	16-653	87718	16	3-340	21-980	
87503	14	21-351	6-234	87575	40	14-188	11-251	87647	20	25-046	16-664	87719	16	3-950	21-782	
87504	40	22-674	6-015	87576	41	15-482	11-766	87648	20	25-566	16-815	87720	20	5-150	21-572	
87505	15	24-164	6-306	87577	12	22-400	11-766	87649	20	0-316	17-908	87721	12	6-289	21-024	
87506	10	1-371	7-440	87578	12	23-170	11-182	87650	11	3-020	17-963	87722	13	7-765	21-624	
87507	33	2-094	7-996	87579	31	0-182	12-062	87651	30	4-572	17-552	87723	10	19-295	21-678	
87508	36	4-666	7-236	87580	23	3-356	12-576	87652	15	6-770	17-168	87724	14	20-410	21-820	
87509	27	6-540	7-730	87581	11	3-857	12-094	87653	10	10-864	17-301	87725	25	3-128	22-910	
87510	11	9-775	7-112	87582	29	3-906	12-844	87654	12	13-000	17-392	87726	11	3-336	22-785	
87511	11	10-628	7-130	87583	10	5-615	12-413	87655	15	14-305	17-034	87727	11	4-833	22-916	
87512	10	11-684	7-445	87584	12	5-810	12-745	87656	40	17-185	17-144	87728	10	5-802	22-169	
87513	13	13-550	7-440	87585	34	7-322	12-896	87657	13	18-245	17-646	87729	24	5-834	22-776	
87514	36	14-874	7-466	87586	23	7-880	12-093	87658	24	19-180	17-764	87730	14	12-900	22-480	
87515	18	17-001	7-932	87587	24	9-402	12-135	87659	12	19-992	17-224	87731	12	14-210	22-804	
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87804	13	7-654	0-665
87805	18	15-800	0-714
87806	9	17-261	0-774
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87808	16	4-122	1-111
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87810	33	15-600	1-151

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87857	14	12.520	5.316	87929	10	17.589	11.610	88001	23	15.171	16.536	88073	23	8.330	22.937	88157	20	14.208	0.260
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87859	14	22.476	5.056	87931	23	20.112	11.412	88003	24	4.054	17.340	88075	12	16.539	22.945	88159	24	16.030	0.377
87860*	43	0.339	6.018	87932	25	20.684	11.716	88004	25	7.228	17.268	88076	8	19.652	22.308	88160	15	1.790	1.592
87861	13	1.838	6.276	87933*	32	24.393	11.046	88005	30	7.272	17.091	88077	13	0.152	23.486	88161	24	5.610	1.630
87862	19	8.066	6.488	87934	8	0.138	12.273	88006	23	7.627	17.416	88078	35	0.547	23.193	88162*	45	4.694	1.990
87863	28	8.333	6.072	87935	24	1.708	12.423	88007	14	9.124	17.436	88079	22	4.824	23.700	88163	26	7.949	1.315
87864	10	14.188	6.054	87936	20	1.946	12.445	88008	12	10.892	17.401	88080	19	5.138	23.381	88164	23	9.710	1.038
87865	9	17.968	6.032	87937	14	2.162	12.386	88009	14	11.506	17.330	88081	34	5.293	23.818	88165	43	12.582	1.937
87866	20	18.914	6.414	87938	14	2.258	12.710	88010	10	11.592	17.999	88082	24	6.528	23.248	88166	12	3.632	2.680
87867*	40	21.386	6.172	87939	12	5.030	12.901	88011*	49	13.856	17.406	88083	8	10.896	23.580	88167	13	5.800	2.217
87868	24	5.312	7.996	87940	24	11.380	12.181	88012	9	14.243	17.886	88084	38	13.962	23.512	88168	28	10.924	2.580
87869	11	5.502	7.264	87941	30	14.340	12.202	88013	13	14.298	17.294	88085	10	14.413	23.903	88169	32	11.308	2.440
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87871	10	12.449	7.050	87943	34	17.703	12.293	88015	37	17.819	17.962	88087	10	20.298	23.796	88171	32	13.588	2.819
87872	13	12.942	7.984	87944	11	19.217	12.824	88016	8	17.870	17.582	88088	12	21.858	23.052	88172*	48	17.100	2.810
87873	34	14.816	7.310	87945	28	20.874	12.231	88017	8	23.097	17.800	88089	20	1.816	24.004	88173	13	18.790	2.296
87874	22	15.452	7.450	87946	24	25.407	12.007	88018	24	0.461	18.993	88090	22	3.106	24.645	88174	26	19.337	2.474
87875	21	17.332	7.990	87947	23	0.085	13.508	88019	28	0.626	18.870	88091	13	3.573	24.573	88175	26	19.463	2.312
87876	33	18.793	7.941	87948*	45	0.339	13.524	88020	10	1.250	18.808	88092	26	6.052	24.362	88176	23	19.814	2.432
87877*	46	19.860	7.228	87949	19	0.440	13.667	88021	31	1.556	18.760	88093	17	7.930	24.171	88177	36	23.992	2.203
87878	24	0.270	8.387	87950	8	6.308	13.812	88022	16	4.637	18.945	88094	11	7.940	24.910	88178	22	0.024	3.620
87879	32	0.368	8.124	87951	31	10.486	13.727	88023	12	15.000	18.812	88095	21	7.950	24.584	88179	16	0.716	3.717
87880*	39	1.680	8.412	87952	20	12.313	13.091	88024	28	15.435	18.602	88096	11	9.582	24.724	88180	31	3.622	3.982
87881	28	2.950	8.563	87953	16	13.043	13.076	88025	33	15.916	18.754	88097	18	10.092	24.812	88181*	42	6.930	3.062
87882*	44	3.260	8.597	87954	11	13.307	13.022	88026	19	16.583	18.532	88098	13	11.322	24.516	88182	24	7.916	3.736
87883	18	3.446	8.109	87955*	39	15.942	13.252	88027	8	16.749	18.995	88099	8	16.250	24.694	88183	10	14.077	3.698
87884	8	4.862	8.213	87956	21	16.447	13.601	88028*	49	17.700	18.438	88100	21	17.587	24.263	88184	11	14.498	3.051
87885	19	7.110	8.351	87957*	43	16.454	13.246	88029	10	17.818	18.701	88101*	34	19.456	24.701	88185	33	18.838	3.955
87886	26	8.045	8.448	87958	10	16.524	13.563	88030	18	19.314	18.445	88102*	44	20.010	24.210	88186*	77	19.027	3.730
87887	24	11.666	8.187	87959	10	16.686	13.537	88031	21	19.707	18.767	88103	13	20.888	24.038	88187	19	22.172	3.830
87888	16	12.888	8.708	87960	13	18.187	13.370	88032	8	20.818	18.486	88104	8	24.363	24.362	88188	9	22.471	3.730
87889	25	14.542	8.654	87961	29	18.253	13.501	88033	26	23.230	18.884	88105	8	2.267	25.746	88189*	38	22.698	3.716
87890	10	17.323	8.424	87962	31	19.162	13.426	88034	26	25.500	18.235	88106	36	3.342	25.660	88190	27	4.250	4.922
87891	9	18.058	8.953	87963*	39	1.127	14.937	88035	41	25.676	18.506	88107	19	5.258	25.312	88191	13	5.384	4.500
87892	20	18.202	8.341	87964	15	4.630	14.640	88036	10	4.271	19.456	88108	9	10.273	25.219	88192*	28	8.180	4.734
87893	29	21.937	8.280	87965*	40	9.088	14.076	88037	8	5.694	19.886	88109	9	12.892	25.132	88193	20	8.870	4.181
87894	18	23.538	8.590	87966	12	10.630	14.904	88038	31	8.593	19.546	88110	28	14.095	25.223	88194	10	11.777	4.206
87895	12	24.298	8.054	87967	9	13.184	14.722	88039	14	9.020	19.179	88111	9	18.345	25.940	88195	11	18.951	4.410
87896	12	24.694	8.994	87968	11	17.614	14.287	88040	10	9.218	19.965	88112	11	20.312	25.964	88196	35	19.816	4.434
87897	16	0.443	9.441	87969	11	21.719	14.214	88041	19	9.437	19.998	88113	10	21.865	25.797	88197	20	22.802	4.331
87898	15	0.530	9.692	87970	9	22.292	14.207	88042	22	10.507	19.848	88114	11	25.497	25.446	88198	10	23.666	4.434
87899	18	0.733	9.372	87971*	50	22.344	14.141	88043	18	11.160	19.126					88199	21	24.968	4.760
87900	8	1.226	9.604	87972	23	22.598	14.624	88044	16	12.666	19.864					88200	15	0.698	5.484
87901	14	2.586	9.933	87973*	40	23.112	14.310	88045	8	12.858	19.080					88201	13	2.240	5.292
87902	21	4.028	9.883	87974	19	23.135	14.015	88046	18	14.198	19.138					88202	13	4.122	5.070
87903	8	11.456	9.477	87975	8	23.322	14.997	88047	9	14.322	19.790					88203	21	5.385	5.584
87904	21	14.274	9.973	87976	11	25.140	14.132	88048	14	21.960	19.308					88204	12	6.540	5.880
87905	13	15.626	9.388	87977	9	25.837	14.932	88049	25	0.424	20.112					88205	9	8.884	5.480
87906*	39	16.798	9.623	87978	15	0.513	15.368	88050	8	2.178	20.640					88206	23	9.388	5.850
87907	31	18.410	9.708	87979	8	3.153	15.039	88051	23	4.402	20.176					88207	14	19.090	5.404
87908	24	20.372	9.271	87980	29	4.143	15.911	88052	19	6.433	20.832					88208	14	23.212	5.286
87909	32	21.956	9.026	87981	10	5.219	15.076	88053	27	6.941	20.820					88209	10	24.352	5.531
87910*	45	22.538	9.148	87982	9	6.049	15.010	88054	10	8.160	20.534					88210	10	6.716	6.378
87911*	35	23.737	9.461	87983	10	6.856	15.156	88055	27	13.147	20.776					88211	12	8.950	6.584
87912	22	4.036	10.753	87984*	47	7.756	15.010	88056	24	15.697	20.734					88212	13	10.942	6.532
87913	18	5.095	10.313	87985	28	8.594	15.061	88057	18	15.938	20.340					88213	10	14.401	6.533
87914	9	5.176	10.906	87986	10	10.184	15.006	88058	24	16.970	20.078					88214	10	15.763	6.238
87915*	40	8.535	10.668	87987	21	14.416	15.923	88059	14	18.477	20.794					88215*	38	6.036	7.706
87916	9	9.084	10.628	87988	19	17.592	15.611	88060*	39	19.603	20.972					88216	21	12.146	7.344
87917	10	9.778	10.063	87989	20	21.066	15.070	88061*	60	24.424	20.548					88217	10	12.669	7.960
87918	19	12.762	10.040	87990	26	22.348	15.550	88062*	93	5.952	21.038					88218*	50	13.702	7.537
87919	25	17.667	10.762	87991	15	23.086	15.981	88063	12	7.444	21.200					88219	14	13.966	7.020
87920	23	18.940	10.073	87992	15	24.280	15.992	88064	18	12.608	21.768					88220	30	14.578	7.900
87921																			

88228	18	12.840	8.617	88300	25	12.549	13.054	88372	9	12.800	18.435	88444	10	15.932	23.382	88528	15	14.792	3.600
88229	10	15.460	8.570	88301*	36	14.142	13.606	88373	15	15.460	18.465	88445	30	17.375	23.884	88529	19	17.619	3.350
88230	10	20.060	8.520	88302	10	14.170	13.850	88374	20	15.930	18.940	88446*	59	22.200	23.264	88530	21	18.779	3.386
88231	21	20.363	8.544	88303	8	14.188	13.640	88375	20	16.110	18.583	88447	29	22.291	23.684	88531	18	20.069	3.812
88232	10	20.799	8.410	88304	12	17.440	13.392	88376	12	17.170	18.822	88448	24	22.923	23.682	88532	39	25.016	3.865
88233	10	24.038	8.602	88305	16	17.511	13.450	88377	10	23.215	18.340	88449	14	23.818	23.450	88533	34	1.230	4.255
88234	27	0.238	9.462	88306	19	18.797	13.920	88378*	33	23.304	18.432	88450	11	25.210	23.003	88534	16	2.100	4.354
88235*	46	0.820	9.576	88307	19	25.366	13.193	88379	12	0.404	19.742	88451	23	5.937	24.133	88535	35	3.400	4.663
88236	13	1.814	9.001	88308	12	0.082	14.651	88380	24	1.666	19.300	88452*	53	8.686	24.062	88536	39	8.124	4.322
88237*	32	2.024	9.870	88309*	51	0.702	14.570	88381	14	6.236	19.422	88453	11	11.940	24.862	88537	37	9.536	4.614
88238	14	2.976	9.388	88310*	38	1.474	14.728	88382	24	7.096	19.846	88454	17	17.344	24.342	88538	18	12.395	4.580
88239	10	4.094	9.041	88311	20	1.494	14.434	88383	22	7.656	19.720	88455*	57	23.105	24.376	88539	25	16.700	4.810
88240	12	4.301	9.366	88312	15	3.500	14.518	88384	12	8.090	19.010	88456*	50	23.820	24.153	88540	29	19.314	4.664
88241	12	8.010	9.791	88313	15	4.766	14.842	88385	27	8.294	19.370	88457	41	25.132	24.782	88541	32	22.838	4.125
88242	21	8.668	9.853	88314*	42	5.746	14.236	88386	12	14.759	19.560	88458	19	25.430	24.436	88542	34	24.958	4.194
88243	9	9.688	9.912	88315	10	5.840	14.687	88387	11	17.410	19.004	88459	18	4.036	25.825	88543	17	25.284	4.150
88244	19	11.176	9.844	88316	15	6.732	14.461	88388	51	25.005	19.308	88460	26	4.712	25.042	88544	21	1.648	5.206
88245	10	11.758	9.761	88317	23	9.050	14.593	88389	44	25.304	19.141	88461	19	4.780	25.634	88545	37	4.805	5.915
88246	15	12.022	9.122	88318	14	9.277	14.693	88390*	58	2.880	20.944	88462	30	13.632	25.380	88546	28	5.676	5.801
88247	31	15.822	9.812	88319	21	10.400	14.820	88391	9	6.433	20.296	88463	67	13.800	25.405	88547	26	7.848	5.704
88248	14	16.718	9.843	88320*	50	10.777	14.204	88392	9	7.805	20.310	88464	15	15.300	25.440	88548	16	9.134	5.480
88249	13	19.380	9.438	88321	10	11.938	14.260	88393	15	9.077	20.960	88465	24	17.291	25.060	88549	34	9.408	5.018
88250*	41	20.924	9.714	88322	27	20.751	14.324	88394	14	9.900	20.694	88466	12	19.116	25.227	88550	34	9.698	5.784
88251	17	20.994	9.302	88323	16	12.408	14.790	88395	8	13.984	20.336	88467	20	19.544	25.889	88551	30	10.030	5.244
88252*	49	21.044	9.206	88324	10	23.368	14.248	88396	13	14.692	20.120	88468	11	20.376	25.426	88552	37	11.082	5.905
88253	11	22.482	9.335	88325	18	23.682	14.416	88397	12	14.906	20.534					88553	19	13.158	5.175
88254	29	24.364	9.004	88326	11	24.750	14.508	88398	25	15.783	20.534					88554	42	14.545	5.214
88255	23	1.438	10.480	88327	23	0.732	15.980	88399	17	17.395	20.434					88555	12	15.190	5.903
88256	10	2.593	10.516	88328	22	0.967	15.050	88400	11	20.170	20.310					88556	20	19.578	5.782
88257	24	4.175	10.596	88329	12	1.699	15.410	88401	10	20.617	20.372					88557	11	20.268	5.180
88258	10	5.430	10.430	88330	12	4.210	15.308	88402*	40	20.634	20.400					88558	26	23.324	5.264
88259	16	7.417	10.980	88331	10	10.298	15.228	88403	30	22.162	20.960					88559	26	23.726	5.500
88260*	28	8.566	10.245	88332	18	10.794	15.500	88404	24	0.078	21.526					88560	32	24.647	5.276
88261	28	14.780	10.480	88333	11	20.815	15.435	88405	15	0.496	21.441					88561	16	5.938	6.644
88262	24	15.087	10.100	88334	10	21.210	15.430	88406	27	4.930	21.419					88562	24	8.018	6.134
88263	13	19.744	10.133	88335	23	21.476	15.754	88407	14	8.147	21.940					88563	14	17.856	6.555
88264	11	24.262	10.763	88336	17	1.478	16.398	88408*	63	9.678	21.648					88564	26	19.776	6.655
88265	26	1.852	11.187	88337	10	1.733	16.284	88409	15	10.550	21.600					88565	38	23.588	6.428
88266	25	2.678	11.380	88338	17	2.671	16.390	88410	34	11.316	21.652					88566	24	25.010	6.375
88267*	29	2.706	11.444	88339	10	3.652	16.526	88411	22	12.250	21.358					88567	22	2.326	7.795
88268	21	7.125	11.794	88340	25	4.653	16.190	88412	28	12.290	21.802					88568*	38	4.676	7.194
88269	14	8.200	11.528	88341	27	4.680	16.720	88413	14	15.385	21.640					88569*	46	6.064	7.156
88270	13	8.608	11.644	88342*	86	5.794	16.688	88414	27	16.221	21.283					88570*	42	13.646	7.075
88271	22	9.302	11.176	88343	24	6.476	16.919	88415*	44	16.602	21.220					88571*	42	14.130	7.712
88272	26	9.350	11.126	88344	20	7.852	16.250	88416	10	23.494	21.841					88572	15	14.960	7.230
88273	27	9.664	11.216	88345	14	8.056	16.154	88417	10	2.064	22.807					88573	24	15.200	7.158
88274	12	10.135	11.752	88346	12	9.829	16.015	88418	19	5.986	22.700					88574	28	17.020	7.412
88275	12	11.004	11.460	88347	31	11.282	16.896	88419	20	7.806	22.690					88575	23	24.900	7.700
88276	11	12.408	11.962	88348	10	11.904	16.120	88420*	40	9.772	22.432					88576	15	2.510	8.515
88277	13	12.928	11.190	88349	27	12.651	16.449	88421	10	11.874	22.420					88577	39	2.836	8.916
88278	12	16.930	11.924	88350	25	22.732	16.550	88422	10	12.097	22.130					88578	16	9.910	8.886
88279	25	20.372	11.730	88351	12	5.098	17.552	88423	10	12.100	22.856					88579	16	11.248	8.828
88280	35	3.736	12.390	88352	32	6.984	17.450	88424	10	12.110	22.760					88580	38	12.748	8.155
88281	31	5.218	12.753	88353	11	7.588	17.004	88425	12	13.204	22.992					88581	16	12.837	8.327
88282	11	6.744	12.436	88354	16	8.550	17.764	88426	24	13.850	22.640					88582	26	14.185	8.884
88283	9	7.356	12.806	88355	12	10.749	17.875	88427	10	18.748	22.028					88583*	72	17.184	8.628
88284*	48	12.774	12.550	88356	10	11.554	17.803	88428	24	20.908	22.940					88584*	38	17.286	8.780
88285	30	13.667	12.738	88357	12	14.631	17.337	88429	14	22.375	22.400					88585	17	17.466	8.780
88286	31	14.900	12.807	88358	33	16.570	17.246	88430	12	23.250	22.954					88586	16	18.164	8.350
88287	21	15.268	12.088	88359	17	17.562	17.828	88431	43	23.320	22.404					88587	30	19.582	8.633
88288	21	16.296	12.084	88360	24	18.412	17.546	88432	18	23.377	22.545					88588	26	22.005	8.115
88289	23	18.166	12.580	88361	11	20.380	17.600	88433	10	0.362	23.487					88589	15	0.960	9.264
88290	12	21.180	12.517	88362	22	22.410	17.854	88434	11	6.234	23.435					88590	15	4.684	9.745
88291	19	21.538	12.067	88363	16	24.594	17.470	88435	26	8.059	23.622					88591	22	5.054	9.432
88292	19	22.556	12.584	88364	20	24.848	17.789	88436	10	9.778	23.741					88592*	98	5.925	9.046
88293	11	25.046	12.820	88365	18	25.132	17.266	88437	10	11.019	23.385					88593	16	7.234	9.090
88294	10	1.791	13.467	88366	10	1.517	18.214	88438	27	11.062	23.770		</						

88600*	70	24.024	9.284	88672	22	17.080	15.632	88744	28	1.988	22.466	88806	32	20.264	0.724	88878	35	18.550	7.912
88601	15	2.750	10.674	88673	28	17.612	15.460	88745	16	3.826	22.906	88807	20	21.260	0.268	88879	37	18.680	7.764
88602	16	4.494	10.797	88674*	39	23.164	15.945	88746	26	10.938	22.987	88808	16	22.984	0.074	88880	10	20.443	7.666
88603	28	5.352	10.037	88675	17	23.193	15.027	88747	35	12.686	22.115	88809	24	3.593	1.606	88881	10	25.886	7.933
88604	27	7.266	10.855	88676	38	1.280	16.476	88748	21	13.722	22.126	88810	15	4.718	1.577	88882	13	0.600	8.633
88605	39	7.884	10.940	88677	17	10.792	16.769	88749	39	14.082	22.056	88811	11	5.397	1.691	88883	13	3.493	8.178
88606	24	12.260	10.212	88678*	47	12.226	16.546	88750	18	14.790	22.850	88812	20	6.384	1.538	88884	17	5.860	8.887
88607	20	14.475	10.494	88679	17	13.084	16.065	88751	24	23.870	22.751	88813	32	11.611	1.678	88885	28	6.522	8.594
88608	17	16.717	10.114	88680	22	17.586	16.834	88752	38	24.490	22.118	88814	35	14.914	1.618	88886	28	9.224	8.492
88609	30	17.830	10.074	88681	16	19.756	16.717	88753	39	25.500	22.688	88815	10	18.962	1.196	88887	28	15.030	8.282
88610	23	18.276	10.656	88682	17	22.043	16.396	88754*	68	0.807	23.195	88816	12	19.946	1.406	88888	11	17.985	8.270
88611	17	18.321	10.384	88683	29	0.970	17.784	88755	36	0.912	23.614	88817*	90	23.711	1.850	88889	24	18.938	8.482
88612	16	18.382	10.108	88684	22	3.150	17.378	88756	37	1.544	23.607	88818	13	3.359	2.765	88890	25	20.124	8.559
88613	39	18.934	10.095	88685	28	3.407	17.694	88757	17	2.439	23.366	88819	10	4.640	2.475	88891	13	20.705	8.708
88614	17	22.190	10.685	88686	24	3.687	17.168	88758	40	9.672	23.225	88820	16	10.240	2.850	88892	10	21.292	8.863
88615	20	24.450	10.724	88687	30	7.458	17.750	88759	12	11.888	23.582	88821	27	14.380	2.112	88893	34	22.158	8.655
88616	30	25.158	10.546	88688	34	8.161	17.074	88760	16	14.024	23.285	88822	27	16.428	2.018	88894	16	1.251	9.719
88617	38	13.964	11.747	88689	16	11.094	17.234	88761	33	14.414	23.744	88823	33	21.360	2.506	88895*	54	2.635	9.776
88618	24	16.421	11.036	88690	34	15.200	17.817	88762	21	15.395	23.016	88824	13	21.610	2.640	88896	23	5.684	9.323
88619	22	16.652	11.776	88691	25	15.402	17.986	88763	17	17.045	23.799	88825	44	22.150	2.438	88897	19	7.194	9.250
88620*	57	16.668	11.648	88692	21	16.032	17.225	88764	34	18.830	23.270	88826*	55	22.500	2.284	88898	21	11.712	9.760
88621	37	18.430	11.241	88693	20	16.161	17.156	88765	37	20.666	23.934	88827	10	22.740	2.463	88899	10	13.374	9.135
88622	24	19.592	11.614	88694	15	16.716	17.514	88766	35	23.876	23.482	88828	13	23.883	2.434	88900	22	14.980	9.018
88623	29	21.886	11.545	88695	23	17.904	17.145	88767	23	24.930	23.014	88829	13	24.878	2.969	88901*	41	16.464	9.494
88624	23	0.044	12.004	88696	16	19.634	17.276	88768*	68	1.725	24.300	88830	31	0.858	3.258	88902	12	17.001	9.553
88625	23	1.065	12.514	88697	24	24.060	17.677	88769*	54	2.438	24.068	88831	10	1.960	3.930	88903	24	5.002	10.982
88626	19	3.556	12.724	88698	15	1.782	18.262	88770	48	3.762	24.686	88832	31	4.610	3.148	88904	24	6.572	10.714
88627	33	12.163	12.539	88699*	39	1.869	18.354	88771	28	4.060	24.335	88833	17	5.542	3.939	88905	12	9.200	10.478
88628	24	17.544	12.304	88700	27	6.114	18.856	88772	29	4.856	24.832	88834	19	12.092	3.226	88906	25	10.760	10.142
88629	33	18.675	12.414	88701	18	8.556	18.216	88773	41	7.446	24.550	88835	11	12.450	3.538	88907	16	13.934	10.534
88630	21	21.064	12.487	88702	16	9.443	18.958	88774*	12	8.014	24.109	88836	45	19.076	3.235	88908	13	14.108	10.882
88631*	41	22.270	12.772	88703	38	10.400	18.570	88775	52	10.638	24.336	88837	18	20.285	3.222	88909*	80	14.388	10.126
88632	13	25.469	12.032	88704	15	12.585	18.292	88776	52	11.522	24.748	88838	18	1.382	4.634	88910	10	16.706	10.249
88633	24	3.880	13.092	88705*	58	13.101	18.326	88777	28	12.840	24.466	88839	10	3.082	4.284	88911	28	17.273	10.123
88634	40	5.644	13.482	88706	33	13.954	18.806	88778*	76	14.884	24.492	88840	28	3.504	4.668	88912	17	17.610	10.484
88635	35	5.825	13.412	88707	14	21.565	18.036	88779	24	15.966	24.084	88841	28	3.556	4.340	88913	11	21.621	10.092
88636	22	5.968	13.448	88708	19	24.040	18.466	88780	40	17.920	24.018	88842	13	3.827	4.620	88914	11	0.821	11.200
88637	23	6.384	13.955	88709*	59	3.576	19.210	88781	20	19.926	24.238	88843	15	4.735	4.332	88915	14	3.084	11.208
88638*	59	8.024	13.434	88710*	50	3.874	19.042	88782	16	19.945	24.231	88844	12	17.801	4.568	88916	26	3.790	11.019
88639	38	10.836	13.258	88711	27	5.120	19.490	88783	38	21.575	24.924	88845	33	20.707	4.358	88917	11	5.482	11.522
88640	37	13.084	13.755	88712	21	7.435	19.646	88784	26	5.140	25.234	88846	21	20.992	4.431	88918	11	8.930	11.251
88641	24	13.289	13.940	88713	17	13.086	19.655	88785	59	5.584	25.498	88847	38	21.022	4.130	88919	12	9.210	11.302
88642	38	17.106	13.675	88714	38	14.242	19.064	88786	38	10.336	25.450	88848	15	21.318	4.890	88920	16	11.524	11.522
88643	22	17.996	13.264	88715	16	15.594	19.584	88787	97	12.062	25.746	88849	14	21.630	4.320	88921	11	16.040	11.170
88644	39	18.016	13.886	88716	18	15.820	19.470	88788	38	14.492	25.404	88850	19	1.883	5.764	88922	20	16.612	11.623
88645	18	20.140	13.329	88717	28	17.256	19.691	88789	42	18.326	25.950	88851	14	2.290	5.994	88923	18	17.287	11.408
88646	20	20.450	13.606	88718	15	20.094	19.416	88790	80	23.988	25.972	88852	25	3.207	5.754	88924	10	20.051	11.626
88647	17	21.530	13.148	88719	31	21.356	19.194					88853	14	5.636	5.170	88925	33	21.346	11.438
88648	26	22.456	13.867	88720	33	23.164	19.550					88854	10	6.500	5.516	88926	14	23.599	11.065
88649	29	24.046	13.628	88721	15	23.276	19.044					88855	12	8.389	5.526	88927	17	23.900	11.999
88650*	46	24.824	13.892	88722*	42	23.635	19.896					88856	30	9.694	5.564	88928	13	0.535	12.062
88651	19	0.940	14.718	88723	59	24.426	19.555					88857	24	11.266	5.450	88929	10	4.120	12.500
88652	26	2.210	14.332	88724	22	24.518	19.536					88858	20	20.433	5.686	88930	10	4.570	12.822
88653	18	3.280	14.414	88725	39	0.754	20.892					88859	26	24.393	5.720	88931	26	4.909	12.880
88654	34	7.482	14.482	88726	15	9.665	20.900					88860	24	2.164	6.926	88932	13	8.388	12.300
88655	37	8.836	14.244	88727	19	9.715	20.225					88861	20	3.587	6.852	88933	16	12.048	12.730
88656*	42	10.774	14.500	88728	34	16.222	20.856					88862	10	10.762	6.932	88934	12	15.765	12.492
88657	36	13.331	14.864	88729	15	2.096	21.759					88863	26	11.622	6.248	88935*	34	17.612	12.307
88658	15	13.945	14.595	88730	41	5.252	21.094					88864	11	13.724	6.796	88936	33	21.428	12.656
88659	39	16.582	14.473	88731	24	9.040	21.480					88865	12	17.056	6.924	88937*	32	21.828	12.700
88660	24	17.612	14.438	88732	35	9.685	21.760					88866	16	17.750	6.788	88938*	47	22.382	12.275
88661	16	20.854	14.374	88733	30	14.191	21.936					88867	12	18.228	6.790	88939	10	22.465	12.699
88662	15	20.996	14.308	88734	17	15.093	21.398					88868*	60	19.366	6.816	88940	11	24.070	12.050
88663*	40	22.736	14.824	88735	38	17.312	21.575					88869	31	20.204	6.076	88941	23	24.258	12.740
88664	32																		

88950	29	12-880	13-418	89022	17	11-036	19-938	89094	10	13-549	24-300	89189	27	5-229	3-038	89261	37	20-120	9-660
88951	13	14-112	13-365	89023	62	12-606	19-756	89095	24	15-500	24-080	89190	25	12-646	3-882	89262	10	24-752	9-250
88952	25	15-930	13-624	89024	10	13-362	19-332	89096	21	18-608	24-348	89191	25	15-224	3-002	89263	22	7-136	10-064
88953	37	20-867	13-888	89025	22	13-410	19-365	89097	22	18-952	24-170	89192	12	16-209	3-460	89264	34	7-832	10-372
88954	18	23-040	13-070	89026	41	15-824	19-211	89098	37	21-718	24-860	89193	10	16-479	3-889	89265	13	8-148	10-614
88955	20	23-300	13-733	89027	33	16-532	19-535	89099	23	0-409	25-444	89194	10	18-248	3-402	89266	27	8-970	10-350
88956	10	23-745	13-690	89028	14	22-500	19-800	89100	11	3-594	25-386	89195	31	20-010	3-772	89267	10	12-739	10-528
88957	21	1-134	14-378	89029	31	24-774	19-956	89101	16	3-881	25-052	89196	28	20-950	3-426	89268	11	15-176	10-800
88958	21	2-720	14-115	89030	17	25-384	19-260	89102	27	16-998	25-032	89197	29	5-762	4-044	89269	17	15-390	10-134
88959	36	3-502	14-368	89031	24	1-920	20-050	89103	20	17-860	25-849	89198	28	8-352	4-359	89270	12	15-661	10-650
88960	13	7-910	14-589	89032	40	2-396	20-390	89104	13	19-084	25-150	89199	33	12-673	4-970	89271	12	18-888	10-988
88961	24	10-838	14-116	89033	34	3-180	20-036	89105	12	19-823	25-010	89200	31	12-946	4-320	89272	18	24-624	10-438
88962	29	17-294	14-955	89034	31	5-186	20-044	89106	30	20-334	25-692	89201	42	13-214	4-366	89273	26	25-446	10-044
88963	27	21-853	14-314	89035	20	3-278	20-018	89107	10	20-526	25-688	89202	13	14-212	4-352	89274	20	1-626	11-270
88964	20	25-054	14-314	89036	19	5-886	20-421					89203	27	18-381	4-925	89275	9	3-510	11-128
88965	34	1-426	15-331	89037	28	6-906	20-774					89204	10	19-776	4-150	89276	13	4-790	11-524
88966	17	1-886	15-528	89038	12	8-373	20-597					89205	24	22-770	4-131	89277	23	8-978	11-102
88967	12	6-831	15-526	89039	14	9-574	20-642					89206	29	2-350	5-918	89278	33	9-683	11-112
88968	25	8-058	15-018	89040	13	10-116	20-663					89207	26	7-341	5-129	89279	23	10-598	11-202
88969	45	8-070	15-009	89041	80	11-163	20-050					89208	41	7-968	5-680	89280	25	13-060	11-576
88970	11	8-591	15-730	89042	12	12-472	20-718					89209	16	8-745	5-196	89281	16	15-948	11-572
88971	30	12-116	15-827	89043	12	13-880	20-360					89210	19	9-774	5-367	89282	12	16-968	11-552
88972	20	12-175	15-132	89044	25	15-031	20-808					89211	19	10-530	5-118	89283	10	17-081	11-850
88973	60	16-552	15-978	89045	10	21-106	20-520					89212	12	12-729	5-347	89284	12	20-854	11-223
88974	28	16-966	15-594	89046	13	21-471	20-222					89213	10	16-036	5-910	89285	12	22-266	11-910
88975	54	21-646	15-025	89047	18	22-720	20-265					89214	29	17-650	5-211	89286	45	0-424	12-497
88976	11	0-758	16-911	89048	10	5-778	21-490					89215	47	18-748	5-204	89287	18	1-941	12-200
88977	32	1-868	16-448	89049	25	6-942	21-600					89216	10	21-140	5-897	89288	13	2-113	12-251
88978	45	6-354	16-568	89050	11	8-072	21-900					89217	14	23-924	5-609	89289	21	2-308	12-938
88979	13	8-285	16-722	89051	32	12-247	21-001					89218	11	25-377	5-334	89290	16	3-494	12-480
88980	19	9-644	16-423	89052	10	17-736	21-674					89219	10	6-684	6-430	89291	20	3-942	12-983
88981	20	9-973	16-534	89053	11	19-122	21-118					89220	29	8-066	6-516	89292	12	6-228	12-983
88982	25	13-325	16-038	89054	25	19-560	21-639					89221	12	8-238	6-910	89293	13	7-047	12-090
88983	32	13-819	16-483	89055	41	24-466	21-914					89222	29	9-761	6-605	89294	33	8-776	12-934
88984	21	13-959	16-705	89056	24	0-250	22-420					89223	15	9-952	6-763	89295	10	9-501	12-652
88985	25	15-088	16-606	89057	25	3-281	22-600					89224	15	11-070	6-840	89296	36	9-736	12-730
88986	10	15-626	16-060	89058	25	4-880	22-992					89225	28	13-370	6-572	89297	11	9-904	12-286
88987	10	16-063	16-816	89059	25	7-230	22-597					89226	23	14-559	6-372	89298	15	11-039	12-774
88988	20	16-825	16-070	89060	21	9-661	22-732					89227	28	17-343	6-100	89299	17	14-914	12-016
88989	17	19-544	16-922	89061	20	11-180	22-806					89228	10	19-040	6-130	89300	10	16-605	12-156
88990	10	20-998	16-175	89062	41	11-881	22-834					89229	33	20-414	6-376	89301	14	21-865	12-006
88991	16	21-015	16-182	89063	30	12-522	22-500					89230	27	20-816	6-364	89302	35	25-916	12-463
88992	37	22-179	16-016	89064	15	13-228	22-773					89231	13	22-397	6-534	89303	22	1-092	13-282
88993	10	22-500	16-430	89065	29	14-765	22-020					89232	14	24-015	6-583	89304	19	1-366	13-943
88994	18	23-018	16-477	89066	74	15-200	22-295					89233	17	0-218	7-158	89305	10	1-808	13-893
88995	45	23-743	16-302	89067	10	15-900	22-100					89234	16	4-609	7-989	89306	31	5-459	13-819
88996	29	6-437	17-786	89068	11	17-258	22-120					89235	40	6-086	7-450	89307	26	7-042	13-450
88997	10	8-058	17-196	89069	12	20-019	22-684					89236	13	7-078	7-756	89308	35	7-126	13-260
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89000	15	16-438	17-256	89072	20	2-672	23-238					89239	12	13-200	7-280	89311	43	18-676	13-852
89001	54	16-727	17-376	89073	25	2-690	23-971					89240	27	16-020	7-895	89312	17	18-780	13-414
89002	11	18-940	17-388	89074	15	3-738	23-489					89241	31	18-809	7-404	89313	13	19-428	13-154
89003	18	22-728	17-812	89075	30	4-300	23-156					89242	86	21-382	7-577	89314	30	21-056	13-642
89004	8	0-300	18-560	89076	19	5-270	23-578					89243	34	0-152	8-880	89315	27	21-340	13-174
89005	15	2-782	18-957	89077	32	5-648	23-197					89244	13	3-871	8-108	89316	15	21-942	13-672
89006	16	2-790	18-166	89078	14	7-300	23-619					89245	42	4-790	8-830	89317	18	23-902	13-432
89007	14	4-250	18-550	89079	35	7-537	23-190					89246	28	7-430	8-090	89318	28	3-124	14-501
89008	11	5-968	18-105	89080	14	8-124	23-974					89247	13	7-785	8-491	89319	24	4-150	14-370
89009	19	5-968	18-124	89081	22	10-010	23-540					89248	22	8-192	8-272	89320	29	10-909	14-370
89010	14	6-287	18-728	89082	11	11-058	23-976					89249	28	16-062	8-642	89321	10	12-402	14-875
89011	80	8-790	18-536	89083	10	15-151	23-620					89250	43	24-002	8-635	89322	12	12-465	14-376
89012	12	13-748	18-662	89084	28	18-092	23-132					89251	12	24-360	8-754	89323	10	13-110	14-067
89013	17	18-810	18-492	89085	21	18-572	23-108					89252	22	7-891	9-804	89324	43	14-065	14-057
89014	40	20-184	18-040	89086	10	21-441	23-912					89253	25	8-898	9-610	89325	12	4-282	15-600
89015	23	23-334	18-953	89087	18	22-166	23-440					89254	16	9-166	9-498	89326	17	4-326	15-073
89016	22	0-110	19-719	89088	15	23-420	23-182					89255	53	9-240	9-800	89327	32	4-348	15-800
89017	12	2-026	19-541	89089	22	24-188	23-437					89256	12	10-150	9-039	89328	35	5-350	15-048

89333*	31	13.074	15.044	89405	13	4.832	21.059	R.A. 22 ^h 28 ^m				89556	21	17.086	5.165	89628	10	8.556	11.898
89334	10	16.815	15.960	89406	27	9.260	21.284	Plate 2039 ; 1922 Dec. 9.				89557	13	20.470	5.508	89629	10	9.084	11.534
89335	10	17.584	15.339	89407	34	11.110	21.150	Provisional Constants.				89558	10	21.260	5.818	89630	25	10.404	11.676
89336	14	19.976	15.594	89408	28	13.616	21.546	A B C				89559	37	21.956	5.038	89631	25	16.007	11.866
89337	36	20.560	15.634	89409*	38	14.160	21.590	-01737 +01649 -1034				89560	22	24.935	5.294	89632	36	18.033	11.822
89338	31	21.885	15.722	89410	24	16.010	21.530	D E F				89561	22	2.570	6.085	89633	12	18.702	11.586
89339	12	23.380	15.980	89411	25	16.870	21.508	-01629 -01738 +2259				89562	29	6.710	6.994	89634	19	21.610	11.155
89340	37	0.271	16.241	89412	35	16.972	21.200	Mag. = 16.8 - 0.96√d				89563	20	7.910	6.500	89635*	43	23.560	11.920
89341	10	0.600	16.652	89413	11	17.030	21.754	No.	d	x	y	89564*	58	8.360	6.839	89636	40	24.010	11.269
89342	17	1.118	16.690	89414	13	19.406	21.560	89501	41	2.114	0.375	89565	11	9.972	6.262	89637	42	25.054	11.170
89343*	44	1.837	16.506	89415	10	23.284	21.037	89502	14	3.316	0.865	89566	45	12.695	6.097	89638	10	25.274	11.684
89344	24	5.459	16.750	89416	22	0.026	22.360	89503	10	5.870	0.110	89567	10	14.292	6.778	89639	18	0.653	12.525
89345	21	7.720	16.250	89417*	41	2.634	22.109	89504	12	7.718	0.870	89568	24	16.688	6.750	89640	14	1.052	12.420
89346	33	9.978	16.718	89418	18	3.812	22.732	89505	19	7.727	0.858	89569	13	18.492	6.335	89641	34	4.712	12.893
89347	22	12.638	16.212	89419	33	5.340	22.842	89506	13	14.184	0.776	89570	21	1.064	7.044	89642	14	5.024	12.706
89348	22	12.978	16.050	89420	27	5.541	22.418	89507	14	14.411	0.640	89571	20	2.682	7.056	89643	28	5.751	12.120
89349	14	17.982	16.456	89421*	87	9.860	22.888	89508*	45	18.236	0.491	89572	31	5.276	7.975	89644	11	11.736	12.470
89350	24	19.199	16.129	89422	36	11.806	22.438	89509	20	21.014	0.406	89573	30	7.580	7.422	89645	25	12.116	12.366
89351	15	20.531	16.791	89423	27	11.905	22.879	89510	15	22.646	0.720	89574	20	8.084	7.740	89646	29	12.810	12.755
89352	26	23.846	16.616	89424	36	12.840	22.865	89511	21	24.310	0.306	89575	11	8.618	7.664	89647	10	14.476	12.444
89353	10	25.422	16.966	89425	10	14.595	22.676	89512	15	3.802	1.937	89576	40	8.709	7.810	89648	11	17.852	12.240
89354	10	3.629	17.081	89426	13	15.460	22.439	89513	17	5.948	1.724	89577	14	9.202	7.004	89649	22	0.154	13.704
89355	13	5.612	17.427	89427	21	15.684	22.763	89514	12	6.533	1.638	89578	20	10.720	7.354	89650	18	2.721	13.906
89356*	37	5.830	17.848	89428	30	16.918	22.366	89515	14	10.033	1.664	89579	12	11.062	7.770	89651	28	5.766	13.755
89357	10	6.315	17.949	89429*	35	17.430	22.062	89516	19	13.150	1.990	89580	11	11.072	7.902	89652	36	7.370	13.482
89358	20	11.004	17.127	89430	12	21.669	22.470	89517	11	13.726	1.437	89581	21	13.090	7.949	89653	10	11.496	13.068
89359*	44	13.891	17.660	89431	29	23.025	22.331	89518*	55	21.938	1.466	89582	26	13.128	7.884	89654*	37	11.756	13.380
89360*	35	14.358	17.058	89432	19	0.358	23.665	89519	26	23.100	1.380	89583	24	13.154	7.095	89655	21	13.158	13.950
89361	23	14.360	17.954	89433	19	1.608	23.390	89520	26	24.144	1.295	89584*	48	17.300	7.971	89656	27	15.392	13.901
89362	19	14.980	17.057	89434	27	2.380	23.636	89521*	38	0.280	2.620	89585	17	17.846	7.735	89657	13	18.570	13.058
89363	27	16.364	17.909	89435	18	2.896	23.932	89522	14	1.550	2.710	89586	13	18.284	7.264	89658	10	22.784	13.532
89364	18	19.640	17.912	89436	22	3.250	23.086	89523*	51	8.854	2.398	89587	35	20.740	7.940	89659	18	24.102	13.084
89365	10	20.107	17.091	89437	10	3.305	23.678	89524	13	13.428	2.134	89588	36	20.803	7.145	89660	35	25.737	13.423
89366	11	22.272	17.000	89438	16	3.710	23.492	89525*	68	21.084	2.099	89589	16	24.672	7.986	89661	14	0.768	14.190
89367	13	22.411	17.586	89439	37	3.974	23.770	89526	20	23.894	2.815	89590	82	0.065	8.108	89662	21	7.645	14.610
89368	28	24.610	17.260	89440	28	5.757	23.334	89527	17	24.107	2.076	89591	15	3.653	8.720	89663	20	10.445	14.823
89369	11	24.976	17.366	89441	10	6.066	23.716	89528	36	2.335	3.250	89592	12	4.645	8.844	89664	21	11.294	14.440
89370	14	0.844	18.029	89442	15	6.646	23.388	89529	36	11.728	3.064	89593	10	11.018	8.309	89665	11	11.694	14.606
89371*	39	5.136	18.820	89443	29	8.850	23.878	89530	14	12.269	3.030	89594	13	11.278	8.022	89666	25	12.765	14.322
89372	31	6.669	18.955	89444	28	9.877	23.386	89531	12	17.537	3.962	89595	14	13.100	8.929	89667*	65	15.304	14.151
89373	10	12.025	18.894	89445	36	12.976	23.620	89532*	42	20.310	3.324	89596*	58	13.985	8.284	89668	35	21.680	14.748
89374*	35	13.450	18.804	89446	20	14.398	23.101	89533*	56	20.358	3.198	89597	34	14.764	8.766	89669	10	24.213	14.231
89375	27	15.334	18.670	89447	14	14.610	23.680	89534*	47	22.150	3.136	89598	26	25.918	8.870	89670	12	24.938	14.320
89376	21	16.202	18.798	89448	10	15.192	23.260	89535	13	22.170	3.192	89599*	44	2.712	9.108	89671*	54	25.110	14.562
89377	29	17.024	18.671	89449	27	17.638	23.028	89536	34	22.310	3.731	89600	14	3.076	9.220	89672	20	25.660	14.102
89378	28	20.248	18.731	89450	10	18.664	23.790	89537	25	1.384	4.633	89601	12	6.368	9.756	89673	24	7.215	15.566
89379	10	21.135	18.522	89451	30	21.741	23.729	89538	39	10.898	4.138	89602	14	8.200	9.641	89674*	56	7.752	15.100
89380*	45	22.720	18.928	89452	10	22.710	23.710	89539	40	14.132	4.656	89603	19	9.678	9.262	89675	25	8.223	15.742
89381	23	22.726	18.643	89453*	41	24.320	23.784	89540	15	14.382	4.300	89604	20	10.295	9.392	89676	28	9.022	15.516
89382	16	25.035	18.310	89454*	36	24.542	23.336	89541	15	17.187	4.349	89605	25	11.520	9.710	89677	30	9.226	15.444
89383	31	25.158	18.480	89455	12	4.990	24.623	89542	38	21.866	4.020	89606	12	12.741	9.256	89678	15	9.936	15.172
89384	11	25.738	18.270	89456	12	6.561	24.232	89543*	72	24.056	4.585	89607	10	14.369	9.859	89679	17	10.400	15.950
89385	20	1.465	19.164	89457	32	6.788	24.814	89544	24	24.358	4.494	89608	19	16.470	9.369	89680	13	11.310	15.360
89386	20	3.520	19.440	89458	10	7.380	24.683	89545	12	24.413	4.912	89609	11	18.089	9.816	89681	10	14.969	15.645
89387	32	6.456	19.350	89459	10	8.586	24.016	89546	19	4.019	5.776	89610	14	19.484	9.284	89682	13	14.991	15.476
89388	34	9.567	19.535	89460	12	9.892	24.136	89547	44	5.806	5.978	89611	12	23.859	9.246	89683	14	18.034	15.730
89389*	37	11.336	19.358	89461	18	10.295	24.173	89548	21	7.408	5.113	89612	12	2.528	10.364	89684	14	18.948	15.640
89390	11	12.651	19.534	89462	13	13.332	24.633	89549*	53	8.029	5.806	89613	20	3.376	10.896	89685	24	21.229	15.670
89391	20	13.180	19.432	89463	10	15.843	24.348	89550	16	9.921	5.847	89614	24	4.190	10.484	89686	24	0.755	16.241
89392	18	14.301	19.668	89464	28	16.296	24.397	89551	12	12.400	5.530	89615*	40	9.056	10.422	89687	17	2.257	16.464
89393	19	14.864	19.084	89465	13	21.036	24.152	89552	34	14.979	5.644	89616	35	13.679	10.976	89688	12	6.053	16.803
89394	24	19.897	19.700	89466	13	25.852	24.934	89553	20	15.216	5.986	89617	30	14.388	10.578	89689	10	10.146	16.102
89395	29	20.890	19.478	89467	28	4.834	25.434	89554	11	15.219	5.134	89618	32	19.452	10.993	89690	29	12.145	16.875
89396	15	21.216	19.752	89468	11	5.450	25.642	89555	32	15.686	5.494	89619	29	20.466	10.240	89691	15	13.596	16.932
89397	10	0.365	20.922																

89700	24	6.854	17.718	89772	12	12.549	22.793	89860	17	24.214	0.756	89932	16	5.222	7.202	90004	36	16.666	14.796
89701	36	9.977	17.878	89773*	48	14.836	22.301	89861	35	0.633	1.474	89933	17	6.856	7.756	90005	22	19.121	14.904
89702	14	11.482	17.142	89774	13	15.099	22.852	89862	38	1.675	1.384	89934	10	7.066	7.289	90006	26	20.712	14.246
89703	12	12.080	17.294	89775	17	16.006	22.274	89863*	50	5.587	1.696	89935	42	9.186	7.777	90007*	56	22.918	14.324
89704	24	13.454	17.800	89776	31	17.219	22.526	89864	40	9.482	1.252	89936	14	9.336	7.716	90008	15	3.788	15.789
89705	11	15.396	17.540	89777	35	17.690	22.172	89865	20	10.290	1.399	89937	39	10.368	7.194	90009*	58	3.920	15.754
89706	10	17.835	17.353	89778	14	25.064	22.674	89866	23	14.380	1.884	89938	12	11.446	7.927	90010	26	4.602	15.226
89707	12	18.696	17.410	89779	11	3.466	23.910	89867	19	14.800	1.771	89939	24	11.715	7.788	90011	19	5.596	15.278
89708	12	19.050	17.815	89780*	40	3.580	23.796	89868	34	15.690	1.586	89940	21	12.384	7.736	90012	16	7.172	15.050
89709	22	21.440	17.100	89781	13	4.810	23.291	89869	23	22.184	1.584	89941	35	14.466	7.462	90013	37	9.236	15.887
89710*	44	23.126	17.786	89782	30	5.115	23.120	89870	19	22.300	1.820	89942	33	17.818	7.742	90014	16	10.906	15.619
89711	23	24.801	17.910	89783	27	7.214	23.824	89871*	48	23.110	1.876	89943	39	18.254	7.908	90015	16	10.938	15.958
89712	25	25.378	17.400	89784	11	7.310	23.494	89872	28	23.450	1.284	89944	37	19.026	7.337	90016	20	12.614	15.915
89713	12	1.326	18.092	89785	13	12.492	23.480	89873	24	1.435	2.904	89945	27	20.246	7.438	90017	18	12.812	15.870
89714	19	3.963	18.757	89786	14	13.268	23.214	89874	23	1.644	2.167	89946*	40	21.076	7.006	90018	17	13.140	15.936
89715	28	4.090	18.925	89787	14	13.334	23.367	89875*	59	4.650	2.993	89947	23	23.492	7.849	90019	23	13.876	15.303
89716	10	4.584	18.330	89788	15	15.550	23.320	89876	15	7.476	2.880	89948	40	24.423	7.294	90020	16	15.532	15.564
89717	12	4.665	18.704	89789	24	19.037	23.138	89877	38	12.896	2.810	89949	21	2.238	8.074	90021	31	16.066	15.044
89718	22	5.128	18.134	89790	20	20.774	23.004	89878	42	13.450	2.482	89950	37	3.489	8.950	90022	37	23.093	15.726
89719	13	6.591	18.516	89791	17	25.854	23.616	89879	27	13.612	2.634	89951	15	5.888	8.315	90023	18	2.636	16.795
89720*	64	6.840	18.906	89792	13	0.100	24.690	89880	13	13.970	2.994	89952	30	10.964	8.724	90024	23	4.907	16.888
89721	16	9.424	18.154	89793	26	0.792	24.247	89881*	82	16.466	2.944	89953	22	15.670	8.395	90025	16	5.894	16.968
89722	32	14.750	18.639	89794	10	1.762	24.208	89882	32	16.726	2.768	89954*	39	16.274	8.854	90026*	58	6.994	16.206
89723	20	18.836	18.904	89795*	46	3.368	24.246	89883	18	17.126	2.545	89955	22	16.750	8.622	90027	15	7.396	16.935
89724	30	21.372	18.874	89796	20	7.166	24.907	89884	17	17.542	2.199	89956	12	17.120	8.304	90028	24	11.787	16.815
89725	19	21.590	18.424	89797	35	8.774	24.096	89885	17	10.084	3.680	89957	17	1.434	9.337	90029	38	13.150	16.397
89726*	40	22.716	18.854	89798	22	13.716	24.347	89886	37	13.574	3.844	89958	13	2.712	9.251	90030	15	13.354	16.834
89727	36	23.084	18.380	89799	14	18.548	24.449	89887	38	14.518	3.741	89959	40	4.214	9.564	90031	21	19.499	16.106
89728	11	0.684	19.444	89800	22	20.354	24.571	89888	39	14.639	3.210	89960	34	6.016	9.598	90032	38	21.045	16.197
89729*	52	1.659	19.428	89801	10	4.208	25.970	89889	17	15.879	3.456	89961*	40	7.329	9.245	90033*	42	22.362	16.593
89730	17	1.661	19.144	89802	19	4.930	25.360	89890	14	16.338	3.949	89962	24	9.768	9.762	90034*	48	0.740	17.881
89731	16	7.994	19.866	89803	15	8.595	25.480	89891	22	16.849	3.664	89963	39	10.814	9.603	90035	27	2.422	17.996
89732	16	11.220	19.078	89804	14	9.015	25.038	89892	12	18.066	3.302	89964	34	12.160	9.024	90036	28	2.995	17.484
89733	32	12.790	19.879	89805	12	10.310	25.050	89893	23	19.284	3.778	89965	15	16.990	9.052	90037	12	4.900	17.917
89734	12	18.343	19.664	89806	23	11.324	25.686	89894	19	19.610	3.356	89966*	39	22.236	9.064	90038	23	5.184	17.730
89735	22	19.934	19.526	89807	17	13.370	25.310	89895	25	20.274	3.028	89967*	46	24.438	9.423	90039	27	7.045	17.224
89736	20	21.984	19.704	89808	34	14.670	25.134	89896	33	23.536	3.696	89968	30	2.234	10.186	90040	22	10.826	17.442
89737	12	23.839	19.261	89809	11	18.920	25.022	89897	39	23.972	3.046	89969	38	4.076	10.750	90041	38	12.992	17.786
89738	38	23.962	19.596	89810	20	25.814	25.142	89898	13	24.530	3.676	89970	18	9.111	10.758	90042	23	22.448	17.824
89739	12	0.178	20.284					89899*	70	1.594	4.676	89971	15	11.810	10.490	90043	16	23.292	17.850
89740	10	3.517	20.352					89900	37	1.906	4.582	89972*	52	15.574	10.416	90044	17	23.736	17.827
89741	13	3.711	20.668					89901	16	4.976	4.895	89973	17	20.850	10.884	90045	40	0.338	18.951
89742	18	7.356	20.810					89902	39	9.236	4.639	89974	38	1.589	11.358	90046	39	0.702	18.475
89743*	50	7.763	20.874					89903	32	9.388	4.141	89975	40	2.632	11.256	90047	18	6.364	18.426
89744	12	8.262	20.358					89904	37	9.494	4.566	89976	17	2.858	11.766	90048	34	8.826	18.407
89745	17	9.536	20.788					89905	16	9.814	4.746	89977	22	5.301	11.138	90049	17	9.444	18.776
89746	13	10.200	20.604					89906	15	11.324	4.220	89978	21	9.590	11.626	90050	12	11.750	18.184
89747	15	12.875	20.006					89907	17	11.826	4.353	89979	18	13.502	11.521	90051	22	12.556	18.112
89748	10	13.490	20.733					89908*	46	13.988	4.282	89980	28	15.952	11.014	90052	18	12.938	18.238
89749	10	14.842	20.505					89909	38	15.214	4.504	89981	23	16.727	11.024	90053	14	15.734	18.764
89750	14	15.086	20.294					89910	44	15.757	4.098	89982	28	17.860	11.434	90054	24	17.645	18.674
89751	12	18.570	20.104					89911	29	16.244	4.844	89983	27	24.493	11.220	90055	15	18.588	18.726
89752	11	19.172	20.451					89912	24	20.006	4.936	89984*	42	1.143	12.012	90056*	57	21.928	18.601
89753	14	19.562	20.104					89913*	52	21.836	4.846	89985	21	9.700	12.982	90057	12	23.692	18.370
89754	10	20.842	20.645					89914	24	2.488	5.382	89986	24	10.700	12.654	90058	28	25.360	18.254
89755	22	21.405	20.334					89915	32	6.404	5.142	89987*	54	10.980	12.292	90059	40	1.586	19.686
89756	40	21.654	20.687					89916	21	6.426	5.574	89988	16	13.754	12.512	90060	24	3.836	19.052
89757	14	2.275	21.524					89917	23	6.960	5.054	89989	17	23.712	12.364	90061*	42	4.650	19.174
89758	10	6.264	21.984					89918	34	8.084	5.498	89990	16	1.697	13.175	90062	16	5.484	19.137
89759	10	8.250	21.320					89919	40	11.776	5.606	89991	38	3.331	13.504	90063	16	6.380	19.155
89760	14	9.880	21.203					89920	17	12.542	5.156	89992*	52	11.943	13.519	90064	30	8.793	19.512
89761	29	13.183	21.155					89921	19	14.261	5.725	89993	11	13.170	13.152	90065	17	13.230	19.732
89762	16	15.296	21.573					89922	16	17.286	5.244	89994	22	13.426	13.666	90066	13	16.051	19.996
89763	11	16.628	21.463					89923	19	21.303	5.719	89995	17	17.848	13.860	90067	13	17.352	19.394
89764*	46	16.900	21.946					89924	29	5.012	6.343	89996	14	2.538	14.406	90068	16	17.378	19.895
89765	27	17.701	21.656																

90076	14	17.042	20.851	90206	33	20.150	6.658	90278	17	10.867	13.958	90350	15	16.362	18.028
90077	16	17.093	20.877	90207	15	22.360	6.016	90279	10	14.059	13.436	90351	13	16.489	18.420
90078*	57	19.288	20.304	90208	18	25.056	6.930	90280	10	14.659	13.630	90352	32	21.944	18.620
90079	18	20.938	20.210	90209*	45	25.100	6.077	90281	32	19.578	13.502	90353	24	22.550	18.570
90080	15	21.982	20.915	90210	23	2.215	7.818	90282	11	20.818	13.349	90354*	46	1.210	19.988
90081	19	22.020	20.754	90211	35	3.133	7.246	90283	30	20.850	13.958	90355	33	1.939	19.580
90082	36	23.994	20.582	90212	13	12.608	7.221	90284	38	21.165	13.377	90356	26	8.608	19.308
90083	40	25.245	20.892	90213	25	14.154	7.398	90285	37	21.696	13.196	90357*	63	12.408	19.720
90084	29	0.394	21.888	90214*	37	18.480	7.308	90286	31	23.798	13.464	90358	10	19.696	19.750
90085*	54	1.890	21.966	90215	25	19.890	7.962	90287	30	23.921	13.195	90359	10	20.422	19.186
90086	23	3.811	21.004	90216	10	21.764	7.822	90288*	43	1.752	14.303	90360	22	20.471	19.680
90087	24	6.884	21.097	90217	21	21.892	7.359	90289*	34	5.402	14.399	90361	32	22.595	19.694
90088	22	7.698	21.652	90218*	41	23.430	7.568	90290	31	5.650	14.170	90362	14	0.968	20.746
90089	23	7.786	21.215	90219*	37	6.236	8.110	90291	12	6.190	14.725	90363	32	2.936	20.540
90090	19	8.477	21.606	90220*	45	8.166	8.580	90292	13	6.558	14.673	90364*	38	4.192	20.828
90091	20	8.810	21.488	90221	13	8.512	8.476	90293	18	7.142	14.958	90365	10	7.452	20.180
90092	22	15.194	21.410	90222	12	9.522	8.642	90294	12	7.731	14.328	90366	12	7.471	20.207
90093*	40	15.482	21.012	90223	29	9.878	8.150	90295*	40	7.871	14.868	90367*	47	7.904	20.702
90094	18	16.716	21.106	90224	26	13.076	8.350	90296	10	9.414	14.650	90368	17	10.166	20.541
90095	28	19.574	21.310	90225	29	13.704	8.169	90297*	45	11.454	14.561	90369	10	11.238	20.530
90096	37	19.847	21.799	90226	11	15.234	8.366	90298	18	12.825	14.392	90370	35	11.390	20.850
90097	39	23.455	21.689	90227	10	16.100	8.804	90299	12	14.302	14.052	90371	26	11.826	20.950
90098	17	2.711	22.760	90228	28	21.632	8.442	90300	12	16.698	14.518	90372	21	11.992	20.918
90099	38	14.650	22.533	90229	10	21.994	8.768	90301	27	18.148	14.358	90373	31	12.106	20.554
90100	15	14.900	22.824	90230	26	22.562	8.080	90302	13	22.311	14.810	90374	31	16.270	20.994
90101	38	15.220	22.984	90231	27	23.753	8.129	90303	20	22.761	14.890	90375	34	16.560	20.154
90102	28	18.190	22.784	90232	11	23.827	8.378	90304*	48	23.133	14.326	90376	16	16.794	20.700
90103	17	18.290	22.134	90233	36	24.034	8.290	90305	10	23.946	14.544	90377	34	2.419	21.658
90104	37	19.416	22.637	90234	47	25.684	8.738	90306	37	25.004	14.670	90378	10	2.933	21.946
90105	18	23.452	22.434	90235*	38	0.980	9.056	90307	34	1.950	15.700	90379	12	8.607	21.522
90106	24	3.506	23.698	90236*	42	3.184	9.376	90308	28	5.056	15.448	90380	32	14.334	21.356
90107	38	7.838	23.434	90237	10	5.796	9.320	90309	20	7.844	15.434	90381	26	14.344	21.835
90108	19	8.856	23.012	90238*	42	8.006	9.360	90310	22	8.746	15.802	90382	24	15.592	21.917
90109	41	9.889	23.676	90239	10	8.694	9.831	90311	16	11.831	15.856	90383	31	19.021	21.202
90110	41	12.696	23.074	90240	10	9.579	9.054	90312	15	13.961	15.426	90384	19	19.778	21.182
90111	40	14.154	23.344	90241	23	12.550	9.590	90313*	41	14.580	15.319	90385	14	22.515	21.999
90112	28	15.501	23.754	90242	30	14.499	9.831	90314*	42	16.140	15.188	90386	40	23.373	21.300
90113	15	20.638	23.903	90243	10	16.080	9.752	90315	10	16.950	15.550	90387	19	23.638	21.346
90114	16	4.044	24.100	90244	35	25.022	9.904	90316	28	17.712	15.850	90388	40	25.344	21.530
90115	27	8.986	24.096	90245	15	5.444	10.720	90317	14	20.741	15.472	90389	13	2.429	22.401
90116	40	9.348	24.640	90246	32	7.512	10.850	90318*	40	1.236	16.580	90390	13	7.958	22.398
90117	17	9.867	24.768	90247	10	7.989	10.828	90319	10	6.793	16.322	90391	34	12.180	22.486
90118	39	11.120	24.374	90248	33	12.386	10.292	90320	18	10.750	16.489	90392	35	14.058	22.628
90119*	82	11.210	24.926	90249	15	14.106	10.066	90321	21	12.347	16.066	90393	34	14.434	22.323
90120	40	13.164	24.155	90250	10	15.249	10.272	90322	14	13.009	16.074	90394	19	16.374	22.568
90121	16	14.097	24.540	90251	12	17.516	10.435	90323	12	14.272	16.189	90395	13	16.756	22.590
90122	21	20.166	24.442	90252*	36	18.508	10.426	90324	10	18.236	16.296	90396	13	5.740	23.060
90123	13	20.813	24.965	90253*	42	24.272	10.362	90325	33	21.174	16.756	90397	13	5.912	23.880
90124	31	21.200	24.396	90254	28	25.904	10.180	90326	29	23.366	16.390	90398	12	6.265	23.304
90125*	55	21.266	24.384	90255	25	3.272	11.170	90327	10	23.861	16.592	90399	22	11.604	23.421
90126	36	24.234	24.058	90256	13	7.900	11.430	90328	10	24.108	16.852	90400	26	11.620	23.609
90127	11	0.738	25.274	90257	12	8.177	11.076	90329	24	1.344	17.809	90401	15	13.860	23.930
90128	29	3.476	25.225	90258	12	10.288	11.424	90330	12	2.188	17.818	90402	34	14.931	23.319
90129	19	8.096	25.515	90259	12	11.534	11.133	90331	14	2.634	17.791	90403	10	16.466	23.240
90130	57	10.894	25.450	90260*	40	12.900	11.408	90332	10	3.608	17.292	90404	30	20.120	23.810
90131	17	11.281	25.936	90261	10	14.073	11.458	90333	14	5.080	17.230	90405	19	24.052	23.920
90132	27	11.550	25.911	90262	29	16.089	11.656	90334	10	7.964	17.699	90406	27	0.215	24.402
90133	38	14.216	25.180	90263	33	17.484	11.215	90335	25	8.161	17.713	90407*	45	0.274	24.390
90134	38	24.062	25.662	90264	12	22.890	11.659	90336	25	11.670	17.062	90408	344		

R.A. 22 ^h 52 ^m				R.A. 23 ^h 0 ^m			
Plate 2040; 1922 Dec. 9.				Plate 2029; 1922 Nov. 16.			
Provisional Constants.				Provisional Constants.			
A	B	C		A	B	C	
-01736	+01157	-8217		-01742	+01262	-0932	
D	E	F		D	E	F	
-01112	-01783	+0271		-01231	-01775	-1775	
Mag.=17.0-0.96√d				Mag.=16.9-0.96√d			
No.	d	x	y	No.	d	x	y
90451	9	1.412	0.450	90751	11	0.550	0.669
90452	14	3.011	0.394	90752	20	4.456	0.904
90453	10	10.555	0.696	90753	37	5.913	0.512
90454	25	12.987	0.180	90754	11	9.700	0.960
90455	22	20.746	0.140	90755	11	11.384	0.032
90456	10	21.700	0.622	90756	24	11.962	0.130
90457	16	25.601	0.915	90757	29	12.194	0.824
90458	27	8.314	1.746	90758	15	12.567	0.338
90459	47	15.782	1.370	90759	18	14.155	0.766
90460	11	19.613	1.376	90760	26	16.452	0.284
90461	40	3.064	2.369	90761	47	16.992	0.544
90462	34	7.538	2.910	90762	39	19.294	0.140
90463	36	14.995	2.100	90763	21	21.264	0.179
90464	10	16.360	2.949	90764	23	7.408	1.950
90465	52	20.185	2.686	90765	42	10.582	1.316
90466	12	0.521	3.270	90766	16	10.755	1.628
90467	28	1.034	3.664	90767	37	12.776	1.506
90468	23	5.502	3.905	90768	25	13.173	1.823
90469	24	7.370	3.544	90769	17	13.851	1.712
90470	12	7.593	3.799	90770	12	14.270	1.725
90471	11	9.671	3.688	90771	14	16.748	1.911
90472	22	10.367	3.520	90772	25	17.612	1.202
90473	30	11.098	3.162	90773	40	7.606	2.506
90474	33	11.300	3.853	90774	15	8.694	2.908
90475	19	11.360	3.032	90775	17	12.936	2.708
90476	22	17.808	3.825	90776	9	14.602	2.972
90477	36	0.725	4.406	90777	33	17.776	2.891
90478	13	3.245	4.585	90778	8	19.541	2.730
90479	10	9.334	4.150	90779	45	20.784	2.298
90480	10	21.994	4.550	90780	22	23.324	2.561
90481	13	23.110	4.830	90781	41	7.842	3.361
90482	25	11.332	5.970	90782	22	8.863	3.608
90483	10	11.536	5.210	90783	15	9.526	3.242
90484	36	13.892	5.548	90784	44	12.813	3.950
90485	28	14.670	5.540	90785	25	13.712	3.318
90486	28	16.240	5.154	90786	13	14.006	3.110
90487	36	17.813	5.497	90787	34	20.610	3.390
90488	37	21.066	5.442	90788	9	0.900	4.592
90489	45	24.760	5.264	90789	15	2.020	4.856
90490	44	2.726	6.580	90790	12	8.135	4.652
90491	10	2.755	6.362	90791	23	10.484	4.362
90492	12	11.330	6.814	90792	29	12.131	4.654
90493	10	11.486	6.329	90793	10	18.260	4.332
90494	18	11.924	6.365	90794	19	19.107	4.786
90495	30	13.115	6.919	90795	20	19.734	4.832
90496	33	13.799	6.070	90796	11	19.798	4.921
90497	40	14.206	6.655	90797	10	20.552	4.165
90498	17	18.590	6.310	90798	26	21.789	4.446
90499	22	20.116	6.890	90799	30	22.006	4.786
90500	21	2.698	7.433	90800	11	24.668	4.237
90501	19	3.742	7.084	90801	39	3.670	5.267
90502	37	6.633	7.660	90802	22	3.680	5.250
90503	19	7.322	7.752	90803	10	6.208	5.826
90504	20	8.501	7.414	90804	15	7.222	5.542
90505	35	8.731	7.390	90805	18	13.126	5.973
90506	21	10.434	7.048	90578*	51	20.200	13.328
90507*	36	11.214	7.880	90579*	56	0.864	14.852
90508*	12	13.366	7.544	90580*	12	4.750	14.464
90509*	42	13.754	7.584	90581*	16	5.276	14.790
90510	20	0.220	8.616	90582*	36	6.700	14.908
90511*	39	1.078	8.092	90583*	54	7.441	14.265
90512	24	1.411	8.646	90584*	15	8.775	14.622
90513	13	1.486	8.896	90585*	11	9.846	14.216
90514	31	1.694	8.805	90586*	12	11.369	14.685
90515	12	5.933	8.646	90587*	17	11.912	14.779
90516	13	6.310	8.610	90588*	24	11.936	14.204
90517	14	11.240	8.328	90589*	52	13.174	14.370
90518	20	11.436	8.280	90590*	26	13.202	14.962
90519	12	14.296	8.373	90591*	24	13.290	14.014
90520	30	16.284	8.855	90592*	42	19.562	14.433
90521*	46	17.797	8.938	90593*	18	20.290	14.856
90522	40	18.266	8.210	90594*	26	23.323	14.635
90523	19	24.995	8.364	90595*	14	0.055	15.348
90524*	45	3.344	9.232	90596*	19	0.508	15.422
90525*	24	4.682	9.016	90597*	10	1.682	15.652
90526	13	6.916	9.056	90598*	13	1.686	15.060
90527	30	8.354	9.386	90599*	35	2.745	15.173
90528	17	10.063	9.855	90600*	10	4.358	15.532
90529	12	13.142	9.039	90601*	24	7.850	15.760
90530	15	13.331	9.395	90602*	12	9.539	15.910
90531	20	13.585	9.294	90603*	14	12.907	15.384
90532	12	15.260	9.706	90604*	21	13.421	15.824
90533	15	16.240	9.470	90605*	22	15.356	15.950
90534*	40	1.956	10.875	90606*	12	18.320	15.968
90535	33	2.700	10.407	90607*	24	1.130	16.913
90536	26	3.588	10.672	90608*	11	6.386	16.773
90537	13	4.728	10.375	90609*	26	15.630	16.519
90538	16	9.740	10.060	90610*	12	16.464	16.276
90539	25	12.205	10.217	90611*	52	17.475	16.924
90540	17	13.474	10.450	90612*	18	20.577	16.086
90541	24	14.076	10.128	90613*	26	22.691	16.838
90542	12	16.576	10.774	90614*	100	23.014	16.446
90543	25	17.468	10.770	90615*	10	1.629	17.106
90544*	45	21.640	10.207	90616*	13	1.880	17.365
90545*	40	21.680	10.227	90617*	19	4.440	17.454
90546	12	23.580	10.993	90618*	10	6.515	17.341
90547	10	3.022	11.168	90619*	20	8.257	17.368
90548*	89	5.347	11.540	90620*	12	11.300	17.616
90549	12	6.314	11.041	90621*	10	11.505	17.694
90550	20	7.975	11.563	90622*	40	13.496	17.052
90551	16	8.760	11.290	90623*	11	13.504	17.032
90552	14	11.452	11.394	90624*	12	15.335	17.190
90553*	37	14.540	11.931	90625*	12	17.985	17.544
90554*	40	18.373	11.775	90626*	14	18.386	17.644
90555*	47	21.988	11.880	90627*	14	20.086	17.934
90556*	30	22.928	11.270	90628*	46	20.795	17.566
90557*	37	23.810	11.304	90629*	15	23.220	17.540
90558	12	25.489	11.086	90630*	18	23.975	17.554
90559	12	0.594	12.188	90631*	17	0.437	18.314
90560	34	1.726	12.597	90632*	10	0.546	18.430
90561*	45	3.485	12.685	90633*	14	2.200	18.236
90562	19	3.598	12.385	90634*	25	2.536	18.336
90563	28	6.786	12.115	90635*	10	2.550	18.076
90564	10	15.534	12.988	90636*	28	7.020	18.134
90565	12	15.582	12.856	90637*	27	9.390	18.566
90566	10	16.066	12.858	90638*	36	9.482	18.742
90567	25	19.904	12.920	90639*	10	12.535	18.171
90568	11	22.488	12.504	90640*	25	12.924	18.512
90569*	77	23.495	12.056	90641*	15	17.300	18.376
90570	15	23.680	12.060	90642*	27	18.154	18.376
90571	27	1.525	13.982	90643*	18	20.094	18.692
90572	27	1.645	13.712	90644*	10	22.410	18.080
90573	14	5.546	13.706	90645*	33	23.511	18.943
90574	20	6.058	13.998	90646*	17	25.668	18.940
90575*	35	6.096	13.728	90647*	19	0.345	19.105
90576	14	17.184	13.013	90648*	24	4.400	19.013
90577	12	17.618	13.450	90649*	15	5.032	19.042

90806	18	15-830	5-272	90878	16	7-772	11-632	90950	19	4-782	18-928	91022	20	2-559	24-184	91084	15	21-210	3-190
90807	15	15-848	5-291	90879	12	8-181	11-038	90951	26	16-801	18-947	91023	9	11-294	24-138	91085	32	0-581	4-994
90808	10	18-616	5-824	90880	24	17-659	11-742	90952	23	18-116	18-344	91024	17	13-063	24-558	91086	15	3-460	4-752
90809	8	19-402	5-751	90881	10	24-016	11-396	90953	10	18-462	18-764	91025	52	15-505	24-932	91087	10	7-760	4-734
90810	15	23-164	5-012	90882	19	24-692	11-306	90954	12	19-120	18-932	91026	19	19-697	24-668	91088*	50	8-960	4-275
90811	15	23-434	5-378	90883	10	1-508	12-541	90955	24	21-440	18-042	91027	20	24-328	24-927	91089	14	13-158	4-818
90812	16	24-720	5-206	90884*	80	2-500	12-077	90956	10	21-837	18-692	91028	14	0-542	25-644	91090	10	16-250	4-313
90813	26	9-700	6-791	90885	20	2-690	12-078	90957	36	22-154	18-062	91029	10	3-966	25-882	91091*	34	18-262	4-686
90814	23	10-470	6-083	90886	10	6-886	12-216	90958	38	25-000	18-612	91030	66	5-200	25-750	91092	26	20-024	4-850
90815	10	13-334	6-870	90887	11	12-120	12-230	90959	12	7-358	19-784	91031	11	6-639	25-280	91093	10	20-506	4-941
90816*	42	15-226	6-248	90888*	60	13-028	12-752	90960	16	8-018	19-818	91032	16	11-085	25-596	91094	10	20-552	4-422
90817	12	16-291	6-152	90889	15	15-796	12-208	90961	15	10-876	19-481	91033	12	13-132	25-868	91095	24	21-851	4-311
90818	12	16-496	6-172	90890	20	15-820	12-184	90962	20	11-890	19-507	91034	31	16-402	25-748	91096	33	0-802	5-332
90819	9	16-832	6-906	90891	24	16-994	12-712	90963	32	12-184	19-776	91035	16	23-064	25-196	91097	17	1-962	5-546
90820	32	20-101	6-431	90892	20	22-266	12-834	90964*	39	14-744	19-872	91036	18	24-838	25-658	91098	16	2-237	5-908
90821	13	20-640	6-049	90893	24	23-017	12-286	90965	15	16-614	19-700					91099	20	3-520	5-720
90822	10	21-262	6-818	90894	21	24-474	12-947	90966	12	19-270	19-006					91100	23	6-266	5-872
90823	18	21-720	6-577	90895*	122	25-266	12-333	90967*	40	19-955	19-673					91101	11	6-330	5-816
90824	19	21-862	6-512	90896	23	6-651	13-030	90968	9	21-132	19-850					91102	11	9-052	5-889
90825*	29	22-584	6-627	90897	20	9-248	13-766	90969	23	22-929	19-884					91103	15	10-230	5-330
90826	22	4-975	7-404	90898	17	9-542	13-425	90970	29	23-662	19-803					91104	33	10-791	5-401
90827	25	7-850	7-714	90899	19	11-734	13-418	90971	9	23-680	19-854					91105	9	10-854	5-746
90828	8	9-349	7-432	90900	32	14-478	13-420	90972	9	24-572	19-230					91106	16	11-996	5-455
90829	20	11-364	7-100	90901	31	16-014	13-730	90973*	48	24-600	19-913					91107	26	13-173	5-946
90830	36	11-730	7-667	90902	12	16-730	13-742	90974*	60	25-450	19-976					91108	11	16-630	5-509
90831	25	12-768	7-978	90903	10	16-867	13-964	90975	15	2-002	20-928					91109	17	17-218	5-780
90832	22	13-281	7-482	90904	22	17-055	13-855	90976	20	8-737	20-912					91110	16	17-722	5-652
90833	18	13-764	7-500	90905	8	19-238	13-768	90977	20	8-830	20-770					91111*	52	19-726	5-555
90834	17	14-058	7-089	90906	18	21-136	13-702	90978	9	10-871	20-346					91112	12	25-362	5-554
90835	35	19-502	7-510	90907	26	2-370	14-658	90979	12	11-178	20-412					91113	17	6-860	6-535
90836	30	22-406	7-620	90908	20	5-368	14-816	90980*	45	11-686	20-675					91114	20	6-900	6-932
90837*	38	23-184	7-056	90909*	57	6-284	14-322	90981	18	15-414	20-353					91115	16	7-077	6-048
90838	21	3-952	8-362	90910	14	7-143	14-552	90982*	40	15-812	20-750					91116	27	8-879	6-508
90839	24	5-330	8-468	90911	10	10-436	14-924	90983	32	15-962	20-086					91117	23	10-536	6-630
90840	9	10-781	8-516	90912	31	11-190	14-347	90984*	39	17-660	20-584					91118	24	11-676	6-925
90841	24	12-496	8-123	90913	10	14-946	14-730	90985	21	17-768	20-138					91119*	60	11-882	6-643
90842	16	16-312	8-653	90914	9	16-030	14-058	90986	17	18-902	20-963					91120	14	12-553	6-082
90843	10	16-640	8-514	90915	20	17-744	14-029	90987*	41	22-013	20-355					91121*	35	14-120	6-904
90844	21	18-466	8-967	90916	11	18-818	14-020	90988	21	24-922	20-846					91122	10	17-930	6-451
90845	31	18-470	8-977	90917	16	4-407	15-366	90989	21	0-074	21-282					91123*	37	18-065	6-393
90846	18	19-392	8-299	90918	10	6-696	15-966	90990*	38	3-035	21-222					91124	40	19-622	6-292
90847	24	19-718	8-620	90919*	63	9-344	15-426	90991	15	3-115	21-706					91125	10	0-080	7-371
90848	9	1-300	9-338	90920	24	13-470	15-229	90992	9	6-177	21-399					91126	15	0-537	7-126
90849	11	2-280	9-174	90921	13	14-275	15-269	90993	17	6-419	21-392					91127	15	0-678	7-060
90850	9	3-132	9-164	90922	18	14-841	15-736	90994	19	8-050	21-416					91128*	32	1-399	7-166
90851	14	5-411	9-726	90923	25	14-904	15-398	90995	21	8-676	21-777					91129*	39	2-000	7-590
90852	14	6-807	9-812	90924	24	16-625	15-326	90996	19	9-396	21-216					91130	27	4-921	7-775
90853*	68	9-640	9-804	90925	12	17-402	15-850	90997	9	10-502	21-805					91131	35	8-574	7-443
90854	10	10-188	9-032	90926	12	19-117	15-066	90998	9	10-676	21-343					91132	10	17-660	7-074
90855	11	14-147	9-098	90927	25	1-772	16-870	90999	15	12-764	21-094					91133	25	17-765	7-831
90856	10	14-204	9-936	90928*	117	2-073	16-472	91000	18	13-912	21-214					91134	10	19-946	7-428
90857	16	16-638	9-510	90929	14	10-766	16-794	91001	10	22-100	21-757					91135	19	21-720	7-723
90858*	52	17-390	9-559	90930	10	12-943	16-928	91002	24	23-230	21-164					91136	12	22-680	7-314
90859	16	18-454	9-700	90931*	51	16-704	16-130	91003	28	24-418	21-712					91137	30	1-230	8-162
90860*	45	0-620	10-256	90932	10	17-115	16-150	91004	20	1-971	22-872					91138	10	5-120	8-428
90861*	40	0-661	10-273	90933	17	2-314	17-563	91005	11	5-722	22-298					91139	11	5-984	8-800
90862*	35	7-324	10-630	90934	9	2-697	17-880	91006	12	7-674	22-990					91140	17	7-204	8-104
90863	20	8-558	10-676	90935	19	3-068	17-568	91007	22	11-482	22-131					91141	11	14-656	8-700
90864	9	8-887	10-314	90936	34	5-663	17-882	91008	13	13-080	22-090					91142	26	15-269	8-416
90865	10	9-294	10-950	90937	16	5-792	17-858	91009*	48	14-642	22-762					91143*	42	17-822	8-816
90866*	44	15-894	10-318	90938	10	8-260	17-149	91010	13	16-948	22-814					91144	12	19-069	8-746
90867	12	19-168	10-327	90939	10	9-646	17-344	91011	9	18-246	22-755					91145	8	20-340	8-528
90868	20	19-594	10-292	90940	10	11-724	17-625	91012	15	0-434	23-133					91146	30	23-215	8-112
90869	10	22-403	10-769	90941	12	11-768	17-434	91013	16	2-302	23-292					91147	25	23-394	8-487
90870	29	23-264	10-352	90942	16	12-244	17-727	91014	25	4-636	23-278					91148	24	7-053	9-154
90871*	44	0-994	11-924	90943	9	16-435	17-444	91015	14	12-638	23-984					91149*	40	9-278	9-964
90872	31	1-926	11-298	90944	24	20-300	17-894	91016	12	13-084	23-747					91150	14	11-329	9-018
90873	13	2-579	11-012	90945	8	20-936	17-617	91017	25	17-909	23-156					91151*	40	17-501	9-014
90874*	38	2-8																	

91156*	38	25.414	9.524	91228	13	10.346	15.410	91300	17	19.671	20.876	R.A. 23 ^h 16 ^m Plate 2044 ; 1922 Dec. 11. Provisional Constants. A B C -0.1747 +0.0155 -0.3922 D E F -0.0132 -0.1772 -0.619 Mag.=17.2-0.96√d	91406	21	24.715	6.704
91157	31	2.120	10.885	91229	19	11.568	15.308	91301	20	20.123	20.696		91407	19	3.450	7.586
91158	9	4.850	10.344	91230	13	11.711	15.899	91302	10	21.816	20.844		91408	19	8.864	7.170
91159	26	8.271	10.362	91231	15	13.490	15.784	91303	27	2.207	21.694		91409	26	9.415	7.866
91160	21	13.471	10.911	91232	10	18.224	15.042	91304	26	3.897	21.359		91410	20	9.942	7.905
91161	27	13.488	10.629	91233	11	21.310	15.056	91305	12	8.179	21.466		91411	12	14.899	7.466
91162	12	14.070	10.960	91234*	33	22.468	15.139	91306	24	10.682	21.186		91412	13	16.234	7.648
91163	13	15.340	10.950	91235*	37	23.050	15.418	91307*	53	15.450	21.146		91413	20	17.044	7.856
91164	18	15.559	10.393	91236*	41	23.114	15.074	91308	23	16.003	21.772		91414*	55	21.592	7.165
91165	12	16.298	10.770	91237	11	23.935	15.407	91309	17	16.500	21.512		91415	38	22.732	7.896
91166	8	18.486	10.354	91238	18	25.814	15.863	91310	11	16.930	21.310	91416	42	23.106	7.926	
91167*	60	19.898	10.414	91239	23	5.634	16.870	91311	10	19.421	21.690	91417	38	0.460	8.197	
91168	12	1.264	11.310	91240	18	8.219	16.913	91312*	89	22.094	21.762	91418	32	0.643	8.574	
91169	12	2.884	11.918	91241	11	8.990	16.870	91313	12	25.552	21.982	91419	38	3.277	8.780	
91170	22	3.559	11.822	91242	9	10.197	16.958	91314	10	1.088	22.300	91420	24	4.885	8.394	
91171	30	6.341	11.464	91243	17	10.758	16.931	91315	33	3.402	22.228	91421*	57	5.684	8.942	
91172	25	6.530	11.495	91244	9	11.186	16.515	91316	13	15.780	22.759	91422	15	10.863	8.794	
91173	15	6.786	11.483	91245	12	12.377	16.236	91317	12	21.910	22.002	91423	37	11.306	8.124	
91174	22	9.490	11.665	91246	21	13.712	16.665	91318	25	22.486	22.370	91424	24	14.276	8.976	
91175	12	15.859	11.029	91247	14	13.878	16.252	91319	12	23.549	22.120	91425	14	17.065	8.536	
91176*	56	16.304	11.785	91248	12	14.648	16.049	91320	24	7.809	23.862	91426	13	17.512	8.916	
91177	10	17.339	11.314	91249	34	17.489	16.922	91321	12	8.791	23.846	91427	16	20.508	8.922	
91178	29	20.233	11.430	91250	21	20.062	16.100	91322	10	9.250	23.665	91428*	39	2.666	9.598	
91179	31	21.086	11.758	91251*	70	24.754	16.920	91323	12	10.822	23.390	91429	21	8.496	9.355	
91180	16	22.788	11.528	91252	33	5.110	17.716	91324	35	10.880	23.170	91430	16	13.892	9.324	
91181	12	23.862	11.347	91253	15	11.043	17.594	91325	12	12.872	23.780	91431	13	17.740	9.184	
91182	8	24.224	11.250	91254	26	11.160	17.660	91326	12	14.237	23.206	91432	18	23.614	9.552	
91183	33	25.704	11.929	91255	12	12.066	17.614	91327	10	15.974	23.426	91433	14	4.816	10.883	
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91186	8	3.712	12.618	91258	20	16.714	17.322	91330	19	21.957	23.716	91436	19	10.452	10.206	
91187*	145	4.130	12.842	91259	13	16.992	17.016	91331	24	23.394	23.716	91436*	40	9.344	1.278	
91188	19	6.379	12.310	91260	13	18.700	17.835	91332	13	0.351	24.474	91436*	66	17.001	1.865	
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91191	26	7.715	12.481	91263	11	20.839	17.220	91335	10	14.761	24.643	91439	14	10.955	2.776	
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91193	34	14.299	12.832	91265	11	23.805	17.515	91337	12	16.888	24.740	91441	23	17.250	2.376	
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				91915	23	13-934	6-557	91987	19	25-354	13-514	92059	14	10-264	22-245
				91916	9	14-974	6-024	91988	25	0-833	14-296	92060	9	10-400	22-836
				91917	20	16-658	6-482	91989*	39	8-824	14-605	92061	21	12-450	22-300
				91918	9	17-396	6-268	91990	20	11-398	14-786	92062	25	13-364	22-116
				91919*	74	18-836	6-444	91991*	33	15-790	14-328	92063	13	14-534	22-180
				91920	11	4-009	7-308	91992	25	17-224	14-074	92064	9	14-778	22-532
				91921	17	5-945	7-750	91993	9	17-308	14-662	92065	11	16-542	22-876
				91922	14	10-178	7-950	91994	13	18-770	14-457	92066	11	18-192	22-670
				91923*	43	12-464	7-858	91995	28	21-514	14-574	92067	9	24-854	22-255
				91924	22	14-430	7-210	91996*	41	4-099	15-742	92068	18	0-596	23-516
				91925	30	15-284	7-894	91997	8	4-348	15-648	92069	22	0-784	23-326
				91926	18	15-304	7-206	91998	13	6-304	15-083	92070	15	3-163	23-091
				91927	28	19-922	7-159	91999	14	7-544	15-977	92071	17	7-276	23-801
				91928*	31	21-646	7-094	92000	8	10-330	15-359	92072	31	11-468	23-190
				91929	22	24-398	7-140	92001	19	14-094	15-098	92073	16	13-598	23-099
				91930	18	0-210	8-032	92002	30	3-496	16-757	92074	12	14-445	23-686
				91931	9	1-678	8-953	92003*	32	5-211	16-183	92075	20	14-725	23-702
				91932	20	9-672	8-746	92004	11	6-200	16-198	92076	23	16-638	23-938
				91933	28	21-158	8-308	92005	13	8-338	16-872	92077	17	24-816	23-627
				91934	26	21-204	8-036	92006	9	9-072	16-248	92078	10	3-418	24-924
				91935	11	25-788	8-169	92007	8	13-068	16-792	92079	22	9-342	24-985
				91936*	40	0-593	9-193	92008	32	21-226	16-505	92080	16	14-636	24-156
				91937	8	1-616	9-862	92009	20	21-422	16-321	92081	10	14-936	24-757
				91938	9	2-107	9-182	92010	9	21-990	16-151	92082*	40	15-047	24-028
				91939	29	2-226	9-520	92011*	46	22-370	16-217	92083	10	20-760	24-165
				91940	21	2-676	9-294	92012	10	23-100	16-996	92084	13	24-968	24-776
				91941	14	3-106	9-856	92013	13	1-756	17-796	92085	19	25-033	24-500
				91942	9	3-763	9-521	92014	20	3-762	17-924	92086	18	1-525	25-352
				91943	9	4-016	9-400	92015	22	8-293	17-297	92087	10	2-318	25-396
				91944	10	7-054	9-726	92016	20	8-682	17-366	92088	9	4-197	25-042
				91945	9	15-752	9-410	92017	25	11-975	17-621	92089	15	5-131	25-992
				91946*	41	16-498	9-222	92018	10	12-908	17-560	92090	19	9-234	25-072
				91947	9	19-066	9-311	92019	15	15-380	17-750	92091	13	9-780	25-487
				91948	18	20-334	9-604	92020	25	15-478	17-788	92092	37	16-408	25-688
				91949	22	20-870	9-798	92021	18	15-794	17-784	92093	22	19-410	25-428
				91950	13	22-010	9-425	92022	16	20-406	17-980	92094	37	20-104	25-851
				91951	8	24-374	9-406	92023	25	24-625	17-492	92095	12	21-253	25-638
				91952	14	5-754	10-616	92024	28	1-886	18-534	92096	36	21-276	25-244
				91953	25	6-624	10-760	92025	21	4-318	18-686				
				91954	13	7-706	10-150	92026*	48	4-490	18-552				
				91955	10	8-184	10-012	92027	30	5-674	18-856				

R.A. 23^h 40^m

Plate 2041 ; 1922 Dec. 9.

Provisional Constants.

A	B	C
-01749	+00335	+5985

D	E	F
-00320	-01763	-2599

Mag. = 16.4 - 0.96√d

No.	d	x	y
92101	23	2.606	0.156
92102	25	6.780	0.082
92103	10	23.666	0.221
92104	18	24.539	0.142
92105	10	16.574	1.079
92106*	46	18.778	1.446
92107	35	19.668	1.670
92108	33	20.925	1.684
92109	33	2.973	2.838
92110	24	12.315	2.746
92111	26	13.676	2.971
92112*	42	14.285	2.762
92113*	69	25.005	2.695
92114	10	2.198	3.186
92115*	47	8.466	3.794
92116	20	8.566	3.668
92117	32	11.911	3.480
92118	12	12.368	3.390
92119	11	14.618	3.546
92120	10	22.240	3.430
92121	24	22.269	3.450
92122	12	10.192	4.108
92123*	44	18.995	4.566
92124	10	19.047	4.222
92125	15	0.870	5.142
92126	30	1.799	5.595
92127	31	2.392	5.832
92128	10	3.776	5.360
92129*	45	14.116	5.390
92130	12	14.273	5.030
92131	36	14.466	5.045
92132*	35	15.602	5.949
92133*	39	16.523	5.305
92134	11	16.767	5.743
92135	27	17.040	5.817
92136	18	19.750	5.676
92137	16	22.888	5.151
92138	10	24.694	5.238
92139	18	7.716	6.653
92140	15	13.790	6.910
92141	16	14.256	6.936
92142	20	14.548	6.773
92143	21	15.564	6.952
92144*	41	21.008	6.200
92145	29	21.284	6.455
92146	36	21.452	6.218
92147	31	2.740	7.100
92148	25	7.391	7.910
92149	19	8.436	7.581
92150	16	9.574	7.946
92151	13	10.515	7.074
92152	26	12.700	7.771
92153	21	13.461	7.439
92154	10	15.316	7.460
92155	33	25.890	7.355

92156	18	25.918	7.341	92228*	42	0.794	16.196	<div>R.A. 23^h 48^m</div> <div>Plate 2045 ; 1922 Dec. 11.</div> <div>Provisional Constants.</div> <div>A B C</div> <div>−.01771 +.00428 +.6446</div> <div>D E F</div> <div>−.00430 −.01756 +.1158</div> <div>Mag.=16.9−0.96√<i>d</i></div>	92356	12	13.242	7.059	92428	14	1.706	15.872
92157	13	4.140	8.116	92229	13	8.610	16.579		92357	24	14.090	7.832	92429	10	1.786	15.750
92158	37	9.866	8.052	92230	29	3.064	17.449		92358	10	15.190	7.674	92430	23	4.310	15.888
92159*	38	12.221	8.261	92231	10	8.722	17.360		92359	10	19.390	7.388	92431	25	7.875	15.504
92160	19	14.512	8.521	92232*	56	8.962	17.874		92360	12	20.730	7.332	92432	12	13.870	15.440
92161	31	17.919	8.721	92233	35	9.595	17.442		92361*	68	21.529	7.500	92433	14	15.906	15.947
92162	32	20.316	8.634	92234	10	15.836	17.319		92362	14	23.030	7.498	92434	16	24.244	15.365
92163	10	0.375	9.406	92235	35	18.818	17.712		92363	10	3.460	8.360	92435	12	24.604	15.008
92164	28	8.520	9.950	92236	33	23.538	17.679		92364	30	7.906	8.966	92436	30	1.484	16.064
92165	24	9.742	9.825	92237	17	1.200	18.368		92365	32	9.675	8.810	92437	32	2.785	16.233
92166	33	10.138	9.825	92238	10	1.904	18.694	92366	10	11.742	8.541	92438	32	3.359	16.019	
92167	39	11.330	9.416	92239	27	19.802	18.965	92367	15	11.842	8.186	92439	12	5.911	16.394	
92168	29	20.558	9.238	92240	23	20.496	18.650	92368	10	12.868	8.180	92440	28	11.266	16.782	
92169	40	24.989	9.571	92241	34	21.156	18.931	92369	13	15.083	8.720	92441	11	11.764	16.236	
92170	40	25.378	9.540	92242	31	22.693	18.796	92370	22	21.023	8.809	92442	28	14.732	16.320	
92171	27	2.044	10.365	92243	43	0.508	19.286	92371	10	21.544	8.562	92443	10	19.179	16.225	
92172	21	12.192	10.108	92244	35	6.465	19.413	92372	10	21.644	8.607	92444	10	20.716	16.985	
92173*	62	19.509	10.454	92245*	43	14.106	19.062	92373	39	3.294	9.998	92445	16	20.848	16.990	
92174	33	19.750	10.742	92246	12	14.964	19.872	92374	39	3.685	9.961	92446	23	24.180	16.038	
92175	23	19.995	10.574	92247*	46	16.856	19.338	92375	25	7.232	9.544	92447	23	5.802	17.520	
92176	10	20.880	10.840	92248	21	17.361	19.874	92376	12	7.884	9.238	92448	15	12.005	17.228	
92177	28	25.424	10.915	92249*	53	20.612	19.331	92377	18	16.951	9.128	92449	12	12.894	17.294	
92178	11	0.456	11.402	92250	15	21.504	19.300	92378	10	17.596	9.735	92450	11	21.886	17.930	
92179	15	3.670	11.387	92251	34	6.286	20.110	92379	29	17.659	9.912	92451	12	25.272	17.447	
92180	30	4.778	11.960	92252	41	6.724	20.774	92380*	93	18.936	0.264	92452	17	25.714	17.985	
92181	10	5.980	11.408	92253*	44	7.580	20.286	92309	23	25.750	0.700	92453	30	1.965	18.126	
92182	21	10.493	11.400	92254	27	8.919	20.374	92310*	72	12.784	1.472	92454	12	4.950	18.830	
92183	10	12.931	11.440	92255	10	17.150	20.474	92311	13	13.782	1.144	92455*	38	6.032	18.244	
92184	10	14.300	11.882	92256	33	18.666	20.212	92312	24	14.316	1.925	92456	16	10.212	18.909	
92185	38	18.366	11.841	92257*	45	25.705	20.210	92313	13	19.913	1.730	92457	12	13.371	18.424	
92186	10	22.026	11.540	92258	30	0.955	21.726	92314	10	9.065	2.634	92458*	36	16.200	18.800	
92187	11	24.239	11.020	92259*	42	2.406	21.875	92315	17	10.351	2.683	92459	12	21.134	18.510	
92188	22	24.576	11.725	92260	27	7.364	21.013	92316	22	12.020	2.732	92460	34	22.985	18.166	
92189	27	4.904	12.370	92261	18	7.451	21.800	92317	22	13.364	2.012	92461	15	23.970	18.484	
92190	21	6.546	12.576	92262	30	8.603	21.220	92318	29	17.892	2.795	92462	29	1.136	19.256	
92191	14	6.771	12.940	92263*	41	8.792	21.772	92319	10	18.180	2.878	92463	22	8.588	19.860	
92192	11	8.604	12.749	92264	14	10.348	21.304	92320	10	0.460	3.896	92464	11	9.484	19.220	
92193	16	8.782	12.825	92265	40	12.300	21.519	92321	21	0.487	3.916	92465	10	10.043	19.216	
92194	10	12.838	12.704	92266*	45	12.386	21.130	92322*	80	3.204	3.122	92466	11	10.759	19.676	
92195	37	13.201	12.899	92267	31	13.409	21.466	92323*	42	9.610	3.400	92467*	31	14.527	19.026	
92196	22	17.298	12.680	92268*	55	24.170	21.666	92324	18	9.774	3.449	92468	11	15.894	19.210	
92197	25	19.484	12.964	92269	10	3.340	22.208	92325	10	10.929	3.880	92469	16	17.194	19.874	
92198	15	1.742	13.071	92270	18	6.264	22.229	92326	31	12.156	3.931	92470	26	17.499	19.672	
92199*	38	3.518	13.846	92271	14	7.104	22.688	92327	52	14.981	3.123	92471*	53	17.530	19.769	
92200	30	3.754	13.464	92272	10	8.338	22.698	92328*	50	19.108	3.225	92472*	36	19.931	19.559	
92201	32	6.532	13.905	92273	23	9.485	22.887	92329	21	21.048	3.100	92473*	41	20.642	19.064	
92202	13	9.374	13.242	92274	34	10.541	22.118	92330*	55	22.822	3.120	92474*	51	4.166	20.626	
92203	29	11.206	13.694	92275	11	12.266	22.145	92331*	71	25.270	3.437	92475	11	4.848	20.516	
92204	28	12.102	13.971	92276	31	21.870	22.310	92332	15	8.036	4.288	92476	28	5.310	20.806	
92205	29	14.566	13.362	92277	40	22.824	22.797	92333	10	14.951	4.894	92477	24	10.236	20.160	
92206	14	22.635	13.558	92278	26	3.315	23.581	92334	25	17.852	4.968	92478	18	12.209	20.588	
92207	32	25.720	13.957	92279	11	5.792	23.760	92335	13	1.132	5.610	92479	11	16.720	20.150	
92208	26	5.371	14.822	92280	25	12.890	23.001	92336	10	2.940	5.668	92480*	30	23.116	20.840	
92209	34	6.785	14.136	92281*	41	14.531	23.828	92337	10	15.311	5.122	92481*	32	25.402	20.302	
92210	10	10.484	14.692	92282	24	16.180	23.998	92338	29	18.914	5.762	92482	13	4.229	21.780	
92211	30	12.204	14.434	92283	17	25.122	23.259	92339	28	19.716	5.358	92483	10	10.637	21.360	
92212*	47	13.225	14.664	92284	16	3.480	24.728	92340	10	21.234	5.886	92484	10	12.306	21.250	
92213	32	18.470	14.532	92285	29	3.541	24.450	92341	10	22.338	5.696	92485	16	12.828	21.534	
92214	14	19.868	14.678	92286	10	11.136	24.982	92342	41	4.632	6.534	92486	11	14.130	21.140	
92215*	56	20.728	14.412	92287	32	11.676										

92500	21	3.632	23.082	92555	23	5.559	1.082	92610	23	15.978	8.626	92665	14	10.688	14.108	92720	11	12.528	20.382
92501	11	3.867	23.515	92556	34	6.540	1.414	92611	21	16.158	8.478	92666	12	14.378	14.304	92721	19	17.398	20.610
92502	12	6.394	23.194	92557	10	7.570	1.925	92612	14	16.932	8.938	92667	23	15.185	14.232	92722	24	20.048	20.762
92503	26	7.806	23.904	92558	8	9.056	1.116	92613	21	23.794	8.783	92668	9	17.118	14.704	92723	12	0.558	21.470
92504	28	13.016	23.323	92559	25	10.868	1.750	92614	13	0.519	9.264	92669	20	1.568	15.209	92724	23	5.138	21.714
92505	19	19.146	23.307	92560	22	4.612	2.370	92615	27	3.232	9.392	92670	23	2.516	15.868	92725	19	8.190	21.182
92506	24	24.832	23.368	92561	9	7.444	2.680	92616	33	4.726	9.298	92671	20	3.620	15.916	92726	18	11.823	21.024
92507	13	6.670	24.978	92562	11	10.734	2.702	92617	8	10.115	9.522	92672	19	7.647	15.889	92727	25	13.176	21.073
92508*	53	8.404	24.577	92563	18	16.757	2.616	92618	15	21.191	9.976	92673	19	8.087	15.280	92728	20	13.318	21.322
92509	14	8.876	24.268	92564*	53	2.389	3.266	92619	18	24.195	9.024	92674*	57	11.307	15.208	92729	15	22.968	21.070
92510	22	11.598	24.470	92565	23	6.078	3.929	92620	16	2.600	10.268	92675	10	13.662	15.488	92730	24	24.587	21.759
92511	23	18.088	24.110	92566	30	9.326	3.666	92621	17	15.774	10.664	92676*	37	15.028	15.258	92731	26	25.090	21.928
92512	30	18.188	24.210	92567*	39	12.022	3.224	92622	20	25.505	10.564	92677	12	19.396	15.972	92732	11	1.054	22.665
92513	30	20.816	24.728	92568	18	19.838	3.801	92623	19	2.400	11.884	92678*	33	19.656	15.020	92733	11	3.706	22.526
92514	30	20.856	24.216	92569	17	22.517	3.719	92624	18	5.290	11.619	92679	20	20.163	15.878	92734	19	3.783	22.568
92515	21	21.252	24.537	92570	8	22.610	3.166	92625*	41	6.794	11.914	92680	18	20.996	15.308	92735	22	5.740	22.418
92516	16	22.640	24.990	92571	33	25.538	3.291	92626	10	6.970	11.922	92681	19	4.034	16.100	92736	15	6.524	22.180
92517	10	23.298	24.822	92572	9	1.274	4.052	92627	10	7.778	11.604	92682	18	4.094	16.020	92737	15	8.342	22.443
92518	11	23.548	24.420	92573	22	3.644	4.805	92628	9	10.737	11.812	92683	17	9.066	16.403	92738	15	9.215	22.574
92519	23	23.776	24.342	92574	8	5.301	4.230	92629	15	12.845	11.342	92684	22	10.960	16.915	92739	27	9.648	22.794
92520	14	3.390	25.096	92575	10	8.129	4.774	92630	18	12.932	11.749	92685*	55	12.209	16.480	92740	11	9.862	22.686
92521	9	10.958	25.988	92576	17	13.440	4.608	92631*	40	15.036	11.172	92686	27	14.450	16.640	92741	14	16.698	22.678
92522	11	12.955	25.301	92577	10	15.663	4.222	92632	11	15.066	11.982	92687	9	17.090	16.340	92742*	41	18.953	22.240
92523	10	13.057	25.180	92578	16	15.737	4.537	92633	22	15.525	11.054	92688	22	17.232	16.122	92743*	44	21.140	22.076
92524	51	13.216	25.951	92579	20	21.130	4.044	92634	15	17.700	11.618	92689	10	19.460	16.722	92744	11	22.920	22.892
92525	12	15.817	25.544	92580	14	23.018	4.588	92635	13	19.980	11.052	92690	18	2.635	17.276	92745	16	25.737	22.266
92526	21	19.674	25.985	92581	12	25.472	4.996	92636	18	0.058	12.431	92691	20	3.083	17.806	92746	20	2.292	23.203
				92582	29	5.756	5.757	92637	23	1.660	12.398	92692	24	9.110	17.012	92747	16	4.466	23.180
				92583	26	11.568	5.619	92638	17	4.106	12.526	92693	24	10.826	17.678	92748	17	5.931	23.522
				92584	21	11.634	5.886	92639*	63	9.056	12.412	92694	20	13.355	17.886	92749	8	5.987	23.986
				92585	8	18.723	5.054	92640	26	9.420	12.170	92695	21	13.424	17.767	92750	23	11.695	23.634
				92586	14	20.004	5.520	92641	12	10.112	12.764	92696	9	15.334	17.792	92751	20	13.506	23.792
				92587	26	24.317	5.026	92642	19	13.360	12.814	92697	32	19.204	17.650	92752	22	23.052	23.011
				92588	23	1.913	6.157	92643	19	14.634	12.532	92698	27	25.358	17.417	92753	18	0.128	24.859
				92589*	62	4.225	6.242	92644	13	15.656	12.356	92699	32	0.354	18.030	92754	13	0.784	24.684
				92590*	42	4.953	6.216	92645	8	18.312	12.752	92700	20	1.348	18.335	92755	16	1.027	24.278
				92591	8	6.684	6.126	92646	13	19.558	12.988	92701	9	6.544	18.656	92756	23	1.252	24.196
				92592	12	9.074	6.613	92647	10	21.351	12.772	92702	10	10.946	18.248	92757	9	5.252	24.917
				92593	12	12.380	6.022	92648	8	3.382	13.826	92703	18	15.216	18.005	92758	13	5.645	24.406
				92594*	45	16.826	6.002	92649	9	3.838	13.080	92704	32	15.357	18.193	92759	18	6.727	24.622
				92595	16	0.224	7.363	92650	10	5.698	13.296	92705	20	18.308	18.420	92760*	51	10.279	24.482
				92596	25	4.355	7.174	92651	20	6.954	13.752	92706	9	22.427	18.718	92761*	45	12.146	24.326
				92597	22	5.021	7.549	92652	10	7.729	13.298	92707	15	23.160	18.558	92762*	43	12.360	24.273
				92598	20	10.798	7.619	92653	10	9.416	13.852	92708	8	2.838	19.810	92763	11	12.694	24.960
				92599	23	11.584	7.838	92654	8	17.852	13.332	92709	17	3.910	19.243	92764	11	15.808	24.148
				92600	26	14.140	7.781	92655	15	18.549	13.381	92710	19	4.771	19.122	92765	13	15.834	24.742
				92601	12	15.908	7.664	92656	18	20.192	13.776	92711	10	6.058	19.768	92766	8	17.796	24.958
				92602	11	24.414	7.291	92657*	33	20.348	13.230	92712*	44	6.572	19.370	92767	11	19.312	24.392
				92603	10	6.337	8.060	92658*	47	24.950	13.296	92713*	32	9.700	19.904	92768	20	21.296	24.138
				92604	21	6.644	8.877	92659	18	1.924	14.847	92714	9	15.159	19.974	92769	13	9.288	25.475
				92605	18	8.294	8.756	92660	32	2.293	14.393	92715	18	17.022	19.324	92770	8	14.377	25.898
				92606	10	8.916	8.920	92661	8	2.797	14.007	92716	9	21.292	19.448	92771	18	14.441	25.385
				92607	24	10.838	8.153	92662	11	5.752	14.482	92717*	26	0.532	20.702	92772	30	14.944	25.167
				92608	20	12.663	8.888	92663	13	9.042	14.040	92718*	33	2.807	20.130				
				92609	36	13.553	8.988	92664*	47	9.846	14.360	92719	10	11.073	20.474				

R.A. 23^h 56^m

Plate 2030; 1922 Nov. 16.

Provisional Constants.

A	B	C
-01772	+00784	-4276

D	E	F
-00757	-01752	-1317

Mag. = 16.7 - 0.96√d

No.	d	x	y
92551	10	1.377	0.810
92552	25	2.834	0.521
92553*	50	12.637	0.298
92554	16	20.891	0.432

NIZAMIAH OBSERVATORY, HYDERABAD

ASTROGRAPHIC CATALOGUE, 1900·0

ZONE -23°

STANDARD CO-ORDINATES

OF

THE STARS IN THE CATÁLOGO

DE 15975 ESTRELLAS (DECL. -22° A' -27°) CORDOBA

EXPLANATION OF THE COLUMNS.

Hyderabad Number.—This is the number assigned in the preceding Catalogue of measures of plates taken at Hyderabad. Some stars occur on two plates, and in this case they have a separate Hyderabad number for each plate—thus, Cordoba 67 is Hyderabad -23° , 92, as well as -23° , 329. Occasionally, owing to slight errors of centering the plate, a star will fall outside the réseau, so that no number can be assigned on such a plate, but the star will occur on an adjacent plate with a Hyderabad number.

Cordoba Number and Magnitude.—These are taken direct from the Catálogo de 15975 estrellas (Decl. -22° A' -27°) Cordoba, and require no explanation.

Standard Co-ordinates.—This name was first proposed in *M.N.R.A.S.*, vol. liv. p. 11, and has generally been adopted for the rectangular co-ordinates of a star on an ideal plate fulfilling the following conditions:—

- (i) Plate truly centred and oriented for 1900.0.
- (ii) No refraction and aberration.
- (iii) A suitable unit of length adopted.

The formulæ giving these co-ordinates are—

$$\begin{aligned}\xi &= k \cdot \tan(\alpha - A) \cdot \sec(\theta - D) \cdot \cos \theta, \\ \eta &= k \cdot \tan(\theta - D), \\ \tan \theta &= \sec(\alpha - A) \cdot \tan \delta,\end{aligned}$$

where

α, δ are the R.A. and Declination of the star.
 A, D those of the plate centre,

and k depends on the adopted unit of length. For the Astrographic Catalogue the unit chosen is 5' at the plate centre, and $k=687.54935$.

For the computation of ξ, η , for each star, approximate formulæ were used, and reduced to tables. To avoid negative signs the constant 13.0000 has been added to all the values of ξ, η to form

$$\xi' = \xi + 13, \eta' = \eta + 13,$$

and the quantities ξ', η' are given in the following pages. The co-ordinates are thus referred to a corner of the réseau and not to the plate centre.

The Right Ascensions and Declinations used are those given in the Catalogue for 1900.0 without any application of proper motions, so that the co-ordinates printed in the following Catalogue represent simply the places given in the Cordoba Meridian Catalogue.

For determining plate constants, stars known or suspected to have sensible proper motions have been excluded from the solution. A few stars whose catalogue places appeared to be erroneous have also been omitted.

STANDARD CO-ORDINATES.

0^h 4^m—0^h 52^m

No.	Mag.	Standard co-ordinates, 1900.0.		Reference No.	Mag.	Standard co-ordinates, 1900.0.		Reference No.	Mag.	Standard co-ordinates, 1900.0.			
Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 0 ^h 4 ^m				R.A. 0 ^h 20 ^m (continued)				R.A. 0 ^h 36 ^m (continued)					
5	9.1	3.6237	13.8286	609	151	9.4	9.4997	15.5138	1174	309	8.9	13.2871	21.3741
6	9.5	4.1685	3.6393	699	154	7.7	10.7772	24.4873	1226	310	9.2	13.4265	25.9003
10	9.0	5.8064	1.7159	708	160	8.3	12.4098	25.0866	1100	311	9.1	13.5385	13.0604
13	9.0	6.1507	24.5579	709	161	9.4	12.6336	25.0929	1103	319	9.5	16.1947	12.4964
15	6.0	6.7244	20.9689	702	163	9.5	13.6314	24.8470	1087	320	9.1	16.2722	11.2793
16	9.5	6.9337	17.6593	551	166	9.3	14.5886	8.0494	1160	321	8.9	16.4216	19.4887
17	8.4	7.2169	5.6591	514	167	7.2	14.8706	3.2306	1198	323	8.8	16.9141	22.9916
19	9.5	7.5845	20.1108	711	168	9.5	14.9964	25.4034	1022	328	8.4	18.2005	3.4871
20	8.9	7.7521	21.0499	509	171	9.3	16.2205	2.2275	1126	329	9.1	18.4316	15.0439
21	9.4	7.7673	8.0155	526	172	7.4	16.4282	3.7193	1052	330	9.4	18.6204	6.9826
24	5.9	9.3289	13.7782	587	174	8.8	17.1307	13.0353	1023	331	8.5	18.9794	4.0669
25	8.3	10.7952	5.7552	646	175	9.6	17.8940	19.0454	1127	333	8.7	19.9700	15.2238
26	8.2	11.0665	0.6008	691	178	8.1	18.3604	23.1743	1073	336	8.2	22.1838	8.4871
32	7.2	12.4429	9.8368	510	179	9.7	18.5695	2.2722	1170	337	9.3	22.1446	20.3751
37	9.3	13.3720	8.3996	625	182	8.7	19.1912	16.4551	1018	341	9.5	23.3496	2.7993
38	9.3	13.7981	14.8542	614	188	9.2	21.6301	15.1124	1064	342	5.4	23.5059	7.7065
39	8.6	14.3726	0.2644	637	189	8.0	22.2594	17.9231	1007	344	8.7	24.0022	0.4707
41	9.0	14.6867	6.4976	R.A. 0 ^h 28 ^m				R.A. 0 ^h 44 ^m					
42	8.6	14.8911	8.7169	934	195	9.4	3.6250	21.8863	1262	341	9.5	1.1161	2.8093
45	9.0	16.4583	16.9168	849	196	8.5	5.1047	13.7125	1287	342	5.4	1.3394	7.7143
47	8.3	17.1397	9.3285	751	197	8.4	5.0840	1.2071	1251	344	8.7	1.7370	0.4725
48	7.3	17.6736	6.8884	947	203	9.3	6.2364	24.2839	1396	345	9.2	2.0362	17.9432
55	9.3	20.3436	13.3233	871	204	9.2	7.0131	16.0402	1476	350	8.5	3.8236	24.9965
58	7.9	20.7736	17.4923	956	207	9.4	7.7368	25.4921	1465	354	9.6	5.3229	24.0582
62	9.1	21.8201	23.3075	937	209	9.4	8.4549	21.9719	1349	355	6.0	5.3395	13.8421
63	8.6	22.3967	8.4817	905	213	9.7	9.2956	18.9025	1318	356	8.4	5.3605	10.4838
64	8.2	23.5351	10.8867	872	215	9.3	9.5566	15.6894	1479	360	9.0	6.0022	25.5185
67	6.6	24.0005	13.3624	963	216	9.6	9.7761	25.9133	1390	364	9.1	7.6693	16.6359
69	8.2	24.1916	18.9357	840	223	9.1	12.2626	12.9125	1267	365	9.5	7.9742	3.5275
R.A. 0 ^h 12 ^m				816	225	9.4	12.4702	10.0568	1429	368	9.4	8.9027	20.9200
64	8.2	1.4120	10.8938	807	226	9.1	12.4869	8.7571	1488	369	8.7	9.3381	25.8809
67	6.6	1.9111	13.3630	876	227	9.4	12.7014	15.9463	1269	373	6.0	10.4146	4.2185
69	8.2	2.1781	18.9331	790	232	8.5	13.7674	5.8543	1425	380	8.9	12.6747	20.3463
74	9.5	3.5716	13.4844	809	234	9.4	14.4417	9.1246	1331	384	9.4	13.3855	11.8710
76	7.0	3.8469	22.2506	778	235	9.4	14.6528	4.7697	..	387	8.6	13.9940	0.3152
79	9.2	4.8214	22.1722	950	238	8.7	14.8857	24.3785	1454	388	8.4	14.1971	23.4902
81	9.0	5.3755	2.5621	952	241	9.4	16.7395	23.7301	1440	389	7.3	14.2412	22.1400
86	7.6	8.0117	18.3652	791	244	8.9	18.1110	6.1969	1468	391	6.6	14.7390	23.8852
90	9.4	9.6194	14.0926	752	247	9.5	18.5630	1.0446	1301	392	7.5	15.7637	8.7706
91	9.0	9.9857	12.7085	959	248	8.4	18.5475	25.4303	1343	398	9.2	16.6658	12.6695
94	9.2	10.8160	14.6012	779	250	8.7	19.6768	4.5576	1471	402	9.6	18.2770	24.3320
95	7.7	11.1278	14.7141	768	257	9.3	21.0099	3.0389	1392	403	9.3	19.0943	17.0394
96	9.2	11.7621	2.8774	819	259	9.3	21.2686	10.0918	1460	404	9.3	19.4943	23.7298
97	8.8	11.7620	2.2583	900	261	6.3	21.6455	17.7256	1404	405	8.5	20.0647	18.3679
100	9.2	12.6898	10.4833	754	263	8.9	21.9363	0.4107	1255	409	9.3	21.3634	0.4069
104	8.0	15.7075	5.6513	781	264	9.3	22.0419	4.5257	1374	410	7.1	22.1195	14.8872
105	9.1	17.4413	8.1981	932	269	9.3	24.1049	21.5994	1485	413	9.0	22.5730	25.3773
106	9.2	18.0408	23.1479	945	272	9.5	24.6370	22.9205	1256	414	7.5	23.4142	0.7956
107	9.1	18.1068	21.6444	R.A. 0 ^h 36 ^m				R.A. 0 ^h 52 ^m					
111	9.5	18.4160	20.0988	1181	269	9.3	2.1278	21.5978	1501	414	7.5	1.1534	0.8050
112	9.0	18.4793	24.9169	1192	272	9.5	2.6780	22.9112	1519	418	9.3	2.4505	2.8335
113	8.8	18.6426	18.6159	1154	276	8.8	4.1228	19.3261	1662	421	9.3	3.1099	18.8870
115	7.5	19.9782	5.3703	1089	277	8.5	4.6557	11.6863	1575	422	8.4	3.6931	9.9507
117	8.6	20.6942	12.3642	1113	278	9.6	4.8787	14.0611	1654	430	9.0	5.6036	18.1553
123	9.2	22.6780	10.4689	1182	279	9.3	4.9481	21.7859	1541	431	9.4	5.8246	6.7181
R.A. 0 ^h 20 ^m				1004	281	8.8	4.9356	0.5347	1598	433	9.5	6.3455	11.3383
132	8.1	4.2087	15.3808	1085	283	8.6	5.2923	10.7821	1515	434	8.4	6.6985	1.1938
133	9.0	4.2600	24.3216	1184	284	9.0	5.4251	22.2585	1605	435	9.3	6.7967	12.9371
134	7.5	4.2388	19.7393	1223	288	9.4	7.2055	25.8364	1585	437	9.6	7.0624	10.3210
135	8.9	4.2488	19.7198	1124	291	9.5	7.3944	14.4397	1664	438	9.1	7.2192	19.1990
137	9.0	4.9320	18.8530	1224	295	9.2	8.5014	25.8165	1528	439	9.4	7.2752	4.2191
141	9.4	5.7703	19.9325	1016	298	9.0	9.3396	2.5389	1525	440	9.4	8.1349	3.3957
145	9.5	6.4613	6.7984	1213	304	9.0	11.4730	24.7492	1503	441	9.5	8.2579	0.4759
147	9.0	7.6534	20.4461	1098	305	9.3	11.4719	12.9158					
148	9.2	7.7106	18.0569	1167	307	9.1	12.7406	19.6342					

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 0 ^h 52 ^m (continued)					R.A. 1 ^h 8 ^m (continued)					R.A. 1 ^h 24 ^m (continued)				
1554	443	9.4	8.4878	7.9454	2149	593	7.8	19.3324	18.1574	2582	728	8.9	21.0449	21.9955
1545	444	8.1	8.5717	6.6980	2075	594	7.5	19.6493	10.9304	2489	731	9.1	21.5113	12.5943
1529	448	9.6	9.8807	4.7632	2151	595	9.0	19.9544	18.4171	2490	736	8.4	23.9385	12.1778
1607	449	9.4	10.4588	13.2293	2025	596	8.0	20.0179	4.1031	2504	737	9.4	24.5488	14.0693
1618	451	9.2	10.9022	13.3764	2197	600	8.2	21.5327	23.1477	R.A. 1 ^h 32 ^m				
1610	458	8.5	14.4636	12.5323	2008	601	8.6	22.2906	1.1594	2720	736	8.4	1.8330	12.1793
1633	463	7.8	16.0650	14.6309	2031	603	8.3	23.9663	5.1185	2744	737	9.4	2.4689	14.0624
1634	470	9.4	20.7808	14.7595	2089	605	9.4	24.3387	12.9119	2677	738	9.0	2.8871	5.0955
1581	476	9.0	21.4007	10.0484	2090	606	9.3	24.3941	12.7016	2672	739	9.6	2.8997	3.8459
1582					2185	607	9.7	24.7222	22.2251	2714	743	9.6	3.5178	11.0604
1584	478	9.0	22.0556	9.8630	2186	608	8.8	24.7509	22.2389	2819	744	9.4	5.5866	19.0482
1509	479	9.6	22.2453	0.4796	R.A. 1 ^h 16 ^m					2792	745	8.9	5.7099	16.5059
1647	482	9.9	22.8600	16.0684	2277	603	8.3	1.7645	5.1204	2806	746	9.6	6.0693	17.8412
1678	491	9.5	25.4520	20.7324	2311	605	9.4	2.2432	12.9080	2709	747	9.5	6.1657	10.0022
1652	492	9.4	25.6939	17.1816	2312	606	9.3	2.2957	12.6971	2809	750	8.5	8.0544	17.7908
1511	493	9.2	25.8532	0.9300	2368	607	9.7	2.7536	22.2148	2873	751	9.1	8.3749	24.6950
R.A. 1 ^h 0 ^m					2369	608	8.8	2.7825	22.2282	2731	752	9.1	8.3669	12.3296
1937	491	9.5	3.4629	20.7119	2387	615	8.0	6.1634	25.3001	2869	753	8.5	8.6148	24.5436
1904	492	9.4	3.6563	17.1584	2363	616	9.1	6.2990	21.2099	2855	757	9.4	10.6320	22.4084
1753	493	9.2	3.5939	0.9075	2383	617	9.0	6.4344	24.1847	2663	758	9.1	11.5623	2.6722
1957	494	8.1	4.6210	24.1118	2355	618	7.4	6.4312	19.4768	2732	760	9.3	11.6662	12.9292
1771	496	8.0	5.4720	2.7838	2335	620	8.5	7.0903	17.1870	2733	761	8.3	11.7398	12.3598
1772	498	7.1	6.1617	2.7874	2301	622	9.4	7.1155	10.6018	2654	763	9.1	12.9569	0.5059
1929	499	9.5	6.8479	20.1893	2313	623	9.3	7.3711	12.9107	2735	764	8.1	13.0267	12.4400
1943	503	8.4	8.4429	21.6108	2364	626	8.4	9.0668	20.6099	2722	772	8.9	16.6157	12.2174
1841	506	9.6	8.9722	10.9463	2298	632	9.4	10.1220	10.1468	2814	774	9.4	17.8619	18.1362
1817	507	9.6	10.9640	8.7492	2253	633	8.6	10.1341	0.7505	2738	776	9.4	18.2367	12.4692
1859	508	9.5	11.4724	13.4368	2351	634	9.3	10.3902	18.5973	2848	780	8.6	19.6764	20.6107
1860	510	9.1	11.7598	13.2371	2293	640	9.0	13.8093	8.8989	2726	781	9.6	21.2234	11.7050
1871	513	8.4	12.3779	13.4878	2308	642	9.3	14.3133	12.2528	2815	782	7.0	21.7231	18.0644
1765	517	8.1	15.7039	2.2380	2346	644	9.6	15.0586	18.1791	2727	783	9.1	21.8831	11.7202
1863	520	9.3	16.1549	12.8314	2257	645	8.9	15.6498	0.2045	2865	784	9.6	22.3809	23.2156
1778	522	9.0	17.0634	3.5077	2316	647	9.2	15.9294	13.3077	2788	788	9.0	23.9721	16.5330
1806	523	9.1	17.5248	8.2054	2280	648	9.0	16.2513	6.5463	2789	789	9.5	24.6505	16.4888
1809	525	9.5	18.2135	7.6661	2260	649	8.1	16.5571	1.6941	R.A. 1 ^h 40 ^m				
1914	526	7.3	18.4054	17.6720	2358	652	7.9	18.3361	0.3990	3028	788	9.0	1.9260	16.5337
1842	527	8.3	18.6149	10.8406	2374	654	9.6	18.4272	22.3480	3016	789	9.5	2.6037	16.4802
1949	528	8.9	18.8811	22.3839	2317	657	9.3	19.5654	13.1853	2923	790	8.4	3.0509	3.7318
1785	534	9.6	20.8667	5.2600	2380	658	9.4	19.6726	23.0977	2957	793	8.7	3.7617	8.7327
1838	538	9.2	21.7918	9.5178	2343	665	9.2	22.1346	16.5298	3040	798	8.9	6.7508	18.3234
1776	539	8.9	21.9088	2.6240	2281	666	8.5	22.3780	6.5919	2914	799	9.1	7.4351	2.8097
1768	540	9.1	22.8545	1.6956	2275	668	8.3	22.5711	4.3141	2916	802	8.2	8.8039	2.4841
1822	543	9.0	23.1180	9.0373	2297	669	9.6	22.8577	9.1841	3065	805	9.1	9.4320	21.0717
1769	547	9.5	24.4874	1.8740	2288	674	9.2	24.3479	7.5095	2969	806	9.0	9.4928	10.4351
1814	550	8.9	24.8739	7.6061	R.A. 1 ^h 24 ^m					3019	808	8.5	9.7504	15.8581
1961	551	9.2	24.8106	24.2709	2442	674	9.2	2.1787	7.5060	..	813	9.5	11.2594	0.1183
R.A. 1 ^h 8 ^m					2527	682	7.0	5.5507	16.8421	2945	820	8.2	14.9127	6.8613
2012	547	9.5	2.2412	1.8692	2556	687	9.2	7.3813	20.5920	2961	823	9.0	15.6953	9.0864
2049	550	8.9	2.7058	7.5956	2584	688	9.2	8.2463	22.9143	..	826	9.6	17.7532	0.0201
2200	551	9.2	2.8699	24.2590	2492	689	9.6	8.4395	13.3844	3012	827	9.4	17.9770	14.8853
2079	553	8.9	4.3347	11.6187	2478	691	6.6	9.1320	11.2663	3072	829	9.2	19.1020	20.9662
2129	556	9.0	6.2546	16.7109	2446	696	6.5	10.7844	7.6714	3036	832	9.2	20.8822	16.8695
2002	559	9.7	7.2196	0.4198	2480	697	8.7	10.9838	11.2500	2990	833	9.2	21.1455	11.7293
2050	561	9.6	7.9232	7.3490	2408	698	8.9	11.1177	1.9167	3006	834	9.3	22.0527	14.4224
2122	563	9.6	8.6225	16.0647	2519	700	8.7	12.2077	16.4139	3023	835	9.4	22.1655	16.3550
2124	564	8.3	9.2658	16.1281	2599	701	8.6	12.2566	24.7770	2972	836	8.9	22.2724	9.7091
2038	567	9.3	10.2084	6.2219	2495	704	9.3	13.0304	12.9040	2967	839	8.3	23.3069	9.6603
2212	570	9.2	11.0707	24.5623	2592	708	9.0	13.3858	23.9362	R.A. 1 ^h 48 ^m				
2125	571	8.7	11.2927	15.3706	2546	710	9.2	14.0796	19.3939	3202	839	8.3	1.1670	9.6705
2095	574	9.3	12.0032	13.8543	2412	712	5.3	15.2352	2.7610	3215	845	8.9	3.2150	11.0553
2043	581	9.4	15.6064	6.6901	2498	714	7.8	16.3363	13.4745	3229	847	9.2	3.8024	12.8971
2163	588	8.8	17.2484	19.5516	2581	719	8.2	17.8577	22.1240	3236	850	8.9	5.3066	13.5050
2088	590	8.2	17.5997	12.7188	2482	722	9.1	18.8523	10.8254	3217	851	9.4	5.3270	10.8220
2181	591	9.2	17.6338	21.5310	2500	724	9.0	19.1767	13.4987	3253	856	8.4	6.5634	16.1752
2096	592	8.2	18.1993	13.6754	2406	725	9.4	19.6360	1.2718					

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 1 ^h 48 ^m (continued)					R.A. 2 ^h 4 ^m (continued)					R.A. 2 ^h 28 ^m				
3193	857	9.4	6.5445	9.1066	3744	982	9.2	5.9124	23.5510	4406	1127	9.3	1.4718	19.2704
3299	858	9.1	7.3183	22.0911	3753	984	7.9	7.2213	25.5372	4268	1128	9.3	1.4748	3.015
3155	860	9.4	7.7219	1.3978	3715	986	9.2	8.7404	20.0030	4463	1129	9.0	2.2924	24.7231
3196	861	9.4	8.5964	8.9875	3636	988	9.0	9.9716	7.3384	4259	1133	8.5	3.0918	1.2530
3197	863	8.4	10.0724	8.9572	3652	989	9.1	10.0251	10.0694	4433	1134	7.8	3.3663	20.8732
3293	864	8.2	10.8893	20.7250	3710	1001	7.5	14.2545	18.5685	4327	1138	8.7	4.3285	10.0152
3276	865	9.2	11.9824	18.9024	3032	1003	9.3	14.4540	6.7228	4371	1141	6.7	5.7043	14.5568
3224	869	8.5	13.0516	12.1447	3653	1005	9.4	15.3287	9.9124	4357	1144	6.6	7.4414	12.8755
3263	871	9.6	13.6753	17.0271	3757	1008	9.4	17.6307	25.9128	4276	1145	9.4	7.6571	4.9534
3283	873	9.2	15.9490	20.4717	3712	1009	9.2	18.7430	19.5177	4301	1146	9.4	7.7932	6.5839
3325	874	9.2	16.2731	24.8927	3713	1012	9.4	21.0029	18.6600	4451	1147	9.3	7.8759	23.5410
3152	875	9.3	16.9082	1.2212	3611	1017	8.7	22.5607	1.3571	4420	1148	9.2	8.4084	20.4109
3255	879	9.1	19.2899	16.3447	R.A. 2 ^h 12 ^m					4304	1151	9.0	10.3334	7.2090
3186	885	9.1	20.6519	7.4662	4006	1021	9.2	3.1474	25.8906	4454	1152	9.2	10.8578	23.5919
3295	886	9.4	20.9848	21.2899	3986	1023	9.3	3.5415	24.2612	4409	1155	8.0	11.5229	19.3276
3251	888	9.0	21.7196	14.7006	3913	1024	7.5	3.0978	17.1079	4330	1156	9.3	11.5650	9.4540
3242	889	8.6	21.8586	13.8320	3834	1025	9.0	4.5698	6.7421	4269	1157	9.2	12.0168	3.6424
3171	891	8.5	22.0270	4.7993	3863	1027	9.6	4.8122	10.9222	4388	1159	8.8	12.3801	16.6701
3287	893	9.2	22.5898	20.4832	3997	1032	7.0	8.7401	25.0674	442	1161	8.7	12.7218	22.2569
3317	894	8.6	22.6743	23.9568	3973	1034	8.1	9.3457	21.9725	4264	1168	9.6	15.7249	2.4167
3252	898	9.2	23.2102	15.4801	3980	1036	8.5	10.2757	23.0115	4280	1172	7.4	18.6531	5.4036
3235	899	5.0	24.0080	13.2177	3890	1037	8.6	10.3718	13.7688	4428	1174	8.5	18.8380	19.9947
3267	901	9.5	24.2400	17.3714	3930	1041	9.0	11.1782	17.7771	4415	1177	9.4	19.3965	18.8824
R.A. 1 ^h 56 ^m					3941	1044	8.5	11.9784	19.0677	4457	1179	9.5	21.8910	23.4620
3478	898	9.2	1.1497	15.4915	3892	1046	8.9	12.7889	14.1300	4462	1180	8.5	22.5648	24.5266
3464	899	5.0	1.9166	13.2182	3825	1049	8.6	14.2176	4.7190	4378	1185	9.4	24.8697	14.8526
3495	901	9.5	2.2053	17.3683	3850	1053	8.8	15.8109	8.3997	R.A. 2 ^h 36 ^m				
3552	908	9.2	4.2370	23.2111	3931	1054	9.0	15.9186	17.7855	4588	1185	9.4	2.8005	14.8411
3364	910	9.4	4.6695	2.6628	3964	1057	9.6	16.9722	21.3451	4547	1189	9.3	3.8659	7.3970
3380	911	8.4	5.0058	5.6745	3894	1060	8.4	17.4712	13.5829	4589	1190	8.7	4.2187	14.9378
3533	913	9.4	6.3538	21.5057	3831	1062	9.2	19.0673	5.4534	4565	1192	9.3	4.5273	11.5233
3479	915	9.6	7.2335	14.9651	3866	1066	9.3	20.3391	10.8611	4614	1193	9.1	4.6435	17.3396
3413	916	9.0	7.8615	9.1753	3806	1067	9.4	20.8625	2.1876	4615	1194	6.7	5.3364	18.1415
3414	917	9.4	7.9838	9.0459	3816	1074	9.1	23.5311	2.8831	4604	1195	9.3	5.9580	16.8463
3503	919	8.3	8.4117	17.8745	3854	1075	8.0	23.5508	7.9729	4548	1196	8.5	6.0202	7.7909
3504	921	8.2	8.4333	17.8890	3845	1076	9.3	23.6758	7.4446	4539	1204	9.5	10.4944	6.4557
3487	922	9.3	8.4509	15.8062	3897	1077	8.7	24.3961	13.7842	4598	1205	9.2	11.2879	15.6376
3427	923	9.0	8.4833	9.7849	R.A. 2 ^h 20 ^m					4555	1209	9.4	11.6722	10.2015
3428	924	8.7	8.4896	10.0625	4064	1074	9.1	1.2988	2.8908	4501	1212	8.2	13.2124	1.0278
3505	926	9.0	8.5714	18.7133	4102	1075	8.0	1.3879	7.9789	4600	1213	9.1	13.5301	16.0384
3553	927	9.1	8.5936	23.4563	4103	1076	9.3	1.5057	7.4501	4616	1214	9.2	13.8096	17.6173
3564	931	8.3	9.6234	24.0824	4143	1077	8.7	2.3125	13.7794	4524	1216	8.4	14.0715	5.2183
3465	932	9.4	10.9926	13.1816	4233	1079	9.5	2.9807	25.0894	4583	1221	8.0	16.9563	13.3948
3400	934	8.4	12.4930	7.7233	4065	1083	9.4	6.3322	3.0084	4584	1224	9.5	17.8616	13.8040
3536	936	8.9	12.9986	21.5917	4075	1084	8.0	6.5136	4.9435	4517	1225	9.0	18.4787	3.9035
3434	950	9.2	16.2149	10.2242	4220	1091	9.7	9.6791	23.1680	4586	1236	8.9	21.7695	14.1572
3368	952	8.5	16.7355	3.5366	4070	1094	8.6	10.3877	4.1448	R.A. 2 ^h 44 ^m				
3448	955	9.5	17.7290	11.3192	4060	1096	9.1	10.9650	1.7122	4773	1250	7.2	3.3045	8.0620
3387	956	7.0	18.3220	6.3840	4157	1101	9.4	12.8814	15.4817	4846	1252	9.6	3.8760	15.9019
3406	959	9.0	19.1205	7.8909	4164	1102	9.4	12.8943	15.5207	4836	1254	9.2	6.1042	14.9448
3388	962	7.9	19.5578	5.7303	4067	1106	9.1	13.2431	3.2526	4925	1256	8.9	6.2927	25.1764
3452	964	9.3	20.4329	11.6989	4056	1107	9.0	14.4440	0.8124	4706	1262	7.5	7.1279	1.9946
3395	966	9.2	21.8623	6.7492	4083	1108	9.4	14.8514	6.2838	4847	1263	9.3	7.2030	15.9718
3376	967	8.4	21.9641	5.3748	4072	1110	8.3	15.2514	4.1250	4848	1264	9.2	7.3110	15.9709
3396	969	8.9	22.7977	7.1235	4176	1116	8.6	17.6359	17.4330	4788	1265	9.6	7.3044	8.9771
3477	972	9.4	24.8981	13.8671	4100	1118	8.9	17.9820	6.6526	4880	1266	9.3	8.0141	19.1327
3363	973	9.3	25.0374	2.2289	4224	1119	9.7	18.0211	23.3046	4827	1267	9.1	8.0496	13.9715
R.A. 2 ^h 4 ^m					4185	1121	8.6	19.0542	18.0650	4708	1268	6.7	8.0140	1.7210
3676	972	9.4	2.8154	13.8554	4111	1122	9.6	20.2743	9.3723	4709	1271	9.1	9.0623	2.4245
3612	973	9.3	2.7960	2.2168	4113	1124	9.4	23.0166	9.3055	4809	1273	6.5	9.3526	11.8441
3731	975	9.1	3.9711	21.9519	4195	1127	9.3	23.4807	19.2633	4753	1275	9.2	10.1854	5.7408
3677	978	9.1	5.0321	13.9169	4074	1128	9.3	23.6973	3.5961	4810	1281	9.4	12.1229	12.4800
3619	980	8.4	5.5550	3.8250	4232	1129	9.6	24.2268	24.7269	4882	1282	9.0	12.9720	19.1104
3640	981	8.6	5.6280	8.5810										

Reference No.					Reference No.					Reference No.				
Mag.		Standard co-ordinates, 1900-0.			Mag.		Standard co-ordinates, 1900-0.			Mag.		Standard co-ordinates, 1900-0.		
Hyd.	Cordoba.	ξ.	η.		Hyd.	Cordoba.	ξ.	η.		Hyd.	Cordoba.	ξ.	η.	
R.A. 2^h 44^m (continued)					R.A. 3^h 0^m (continued)					R.A. 3^h 16^m (continued)				
4713	1286	9.3	15.3064	1.8500	5268	1404	8.2	6.6902	2.7643	5815	1544	9.2	10.0699	9.8494
4728	1288	8.4	10.3143	2.6158	5275	1407	9.3	6.9486	3.8664	5891	1546	9.0	10.3898	17.2375
4778	1291	9.3	17.5397	7.9848	5287	1408	9.4	7.2379	4.9156	5761	1547	3.6	10.4081	2.4634
4919	1295	9.2	18.1418	23.7490	5303	1409	8.8	7.3454	15.4320	5816	1549	9.3	10.8203	10.3368
4705	1297	9.2	18.9691	0.5778	5451	1410	3.8	7.4728	25.2081	5855	1554	8.8	13.3455	13.8620
4779	1299	9.1	19.3717	8.0111	5342	1412	7.7	8.3204	12.1400	5925	1555	8.7	13.8692	21.0508
4874	1300	7.8	19.4603	18.3013	5277	1413	8.1	8.6473	3.8701	5907	1559	9.4	14.8681	18.2725
4797	1302	9.2	20.4552	10.3053	5446	1414	9.4	8.7918	24.2486	5959	1563	5.7	15.8266	24.9285
4834	1303	8.7	20.6513	13.9338	5330	1418	8.6	9.2736	10.5096	5960	1565	9.3	17.1324	25.4681
4717	1304	8.9	20.8543	1.6975	5255	1421	9.6	10.6423	0.7346	5794	1566	8.4	17.4279	6.5064
4781	1306	9.2	21.7322	8.1713	5278	1422	9.1	11.5119	4.3546	5884	1571	9.0	19.4117	16.7979
4730	1307	9.5	22.2573	3.7500	5411	1423	8.5	12.4040	19.4053	5936	1572	9.4	20.5922	22.7699
4782	1308	9.1	22.2674	8.5612	5331	1425	9.4	13.1286	10.4523	5949	1574	9.4	21.4345	22.9485
4899	1309	9.0	22.2196	20.0691	5257	1429	9.2	14.0231	1.4052	5886	1575	9.3	21.8774	15.8543
..	1312	9.7	23.3790	18.1831	5317	1432	6.0	15.6943	7.6850	5937	1576	9.3	21.9019	22.4123
4875	1313	9.5	23.4740	18.1797	5440	1433	9.3	16.2297	23.3035	5757	1583	8.5	24.0117	1.2684
4798	1315	9.3	24.3154	10.6424	5282	1437	9.4	17.1789	3.9490	R.A. 3^h 24^m				
4922	1316	8.6	24.3457	23.4772	5271	1439	9.3	17.3877	3.4114	6008	1583	8.5	1.7573	1.2699
4924	1318	9.1	24.8215	24.0317	5419	1442	9.1	18.8388	21.6709	6033	1588	9.2	4.7861	5.0171
R.A. 2^h 52^m					5346	1446	9.4	20.3546	12.6203	6042	1592	8.1	6.1407	6.0351
..	1312	9.7	1.3554	18.1918	5298	1447	8.9	21.0154	6.2438	6048	1594	8.9	6.6698	7.1619
5143	1313	9.5	1.4503	18.1871	5443	1451	8.9	21.8113	23.4005	6123	1595	9.0	6.9156	16.0266
5076	1315	9.3	2.1889	10.6391	5338	1453	8.9	22.1092	11.0830	6010	1597	8.8	8.3866	1.2141
5210	1316	8.6	2.3943	23.4720	5402	1454	9.4	22.6146	18.8503	6051	1598	9.5	8.9890	6.1726
5211	1318	9.1	2.8776	24.0196	5290	1455	9.4	22.7733	5.1835	6144	1609	10.0	12.6678	17.9498
5013	1319	9.3	3.2399	2.4383	5422	1457	9.4	24.0042	21.1810	6180	1618	7.0	16.3445	22.8546
5044	1320	7.1	4.1323	7.0178	5265	1459	9.0	24.7032	2.0955	6135	1619	9.4	16.7884	17.3119
5077	1321	6.1	4.9318	10.4095	R.A. 3^h 8^m					6083	1620	7.0	16.9446	11.2021
5212	1322	9.5	5.1973	23.4150	5664	1457	9.4	2.0215	21.1808	6099	1624	9.5	19.3866	12.5565
5131	1323	9.1	5.4794	15.3469	5505	1459	9.0	2.4601	2.0878	6070	1625	9.3	19.4238	8.9747
5166	1324	8.2	5.5054	19.6587	5645	1463	9.3	3.6615	18.8574	6085	1626	9.4	19.8356	10.6766
5006	1325	9.4	5.5026	1.9786	5529	1464	8.4	3.7537	3.6514	6154	1629	8.7	20.7461	19.3068
5196	1329	8.9	6.6461	22.8257	5699	1466	9.6	4.5427	24.8770	6139	1630	9.2	21.2395	16.9551
5146	1330	8.7	6.8553	17.3052	5563	1473	9.4	6.2310	7.6270	6165	1633	9.4	21.9776	20.7313
5104	1331	9.7	7.0690	13.4895	5602	1475	9.4	6.9877	14.4058	6102	1636	9.6	24.3549	12.7100
5174	1332	9.2	7.2091	21.2368	5603					6193	1639	9.1	24.6483	24.6530
5187	1336	9.3	9.0344	21.9712	5506	1476	8.4	6.9686	1.9057	R.A. 3^h 32^m				
5064	1337	9.3	9.1802	8.4351	5514	1479	8.7	7.4759	2.5342	6303	1636	9.6	2.2566	12.7059
5175	1338	9.6	9.2909	20.4477	5545	1483	9.0	8.6672	5.5884	6398	1639	9.1	2.7129	24.6433
5176	1344	8.2	11.5326	20.4950	5532	1484	9.3	9.3844	4.1687	6411	1643	9.1	5.3136	25.7397
5010	1345	9.1	11.5276	1.2218	5556	1485	9.4	9.5546	6.9635	6343	1644	8.4	5.4740	16.4521
5214	1348	9.1	12.4833	23.6572	5707	1488	9.1	9.9705	25.8847	6223	1645	9.4	5.6691	4.1835
5222	1352	8.8	13.0694	25.0982	5631	1494	9.3	13.2120	17.5741	6320	1647	9.6	6.2233	13.9445
5073	1354	8.3	13.3422	9.5953	5693	1497	9.2	15.0899	24.4498	6239	1648	8.9	7.0960	5.4528
5223	1355	9.5	13.6554	25.3815	5670	1499	9.1	15.4122	21.5756	6331	1649	9.2	7.1542	15.3140
5224	1357	9.3	13.9441	25.3824	5540	1500	8.7	15.9041	5.0722	6251	1651	8.9	8.1191	6.7530
5150	1358	8.6	14.0785	17.6715	5639	1501	8.7	15.9901	17.8166	6367	1653	8.8	8.8547	19.3786
5118	1360	9.2	14.5770	14.2685	5558	1504	8.5	17.5011	7.4307	6369	1657	8.6	9.4119	18.8279
5188	1362	9.2	14.6391	22.5331	5523	1506	8.0	19.5061	2.4614	6212	1662	9.5	10.4929	3.3505
5047	1363	9.1	14.9860	6.9197	5655	1508	9.5	19.9736	18.8568	6390	1668	8.6	12.0757	23.1833
5056	1364	9.1	15.1176	7.3386	5585	1512	9.1	21.0258	11.2477	6384	1670	9.3	13.3519	22.3129
5099	1369	8.6	15.9106	13.2819	5565	1513	8.9	21.5698	7.6948	6378	1671	8.5	13.5581	21.3938
5180	1370	9.4	16.4615	21.1899	5566	1514	9.3	21.7728	8.0021	6286	1674	8.1	14.2596	10.7772
5067	1371	8.5	16.5556	8.5558	5675	1515	9.4	21.8054	20.8738	6214	1678	8.6	15.0513	2.4345
5225	1374	6.2	17.5097	25.1101	5567	1524	8.9	24.9729	7.8980	6315	1679	9.5	16.3522	13.1702
5151	1376	9.7	18.9135	18.2610	R.A. 3^h 16^m					6243	1681	9.0	17.2090	6.1061
5004	1379	9.6	20.0943	0.1462	5799	1524	8.9	2.8088	7.8860	6262	1682	8.5	18.2388	8.1165
5190	1386	8.5	21.9866	22.3865	5788	1525	8.3	2.9293	6.3076	6363	1685	8.8	18.8582	17.9739
5192	1390	9.1	24.8448	22.2961	5901	1530	9.0	4.0952	17.7338	6395	1687	9.4	20.0941	23.5703
R.A. 3^h 0^m					5940	1532	6.5	4.5071	23.6736	6408	1689	9.2	20.5184	25.2422
5424	1390	9.1	2.8772	22.2840	5862	1535	9.3	5.9942	14.8126	6269	1690	7.9	20.9872	8.7786
5378	1392	8.7	3.4593	17.0709	5820	1536	8.7	6.1753	11.1805	6235	1692	9.5	21.4485	4.5519
5302	1400	9.5	5.5044	7.0972	5821	1538	9.1	6.6832	10.9582	6396	1693	9.2	21.7733	23.0747
5380	1403	9.4	6.5492	16.7638	5784	1540	9.0	7.0044	4.5666	6386	1695	9.4	22.6407	21.8522
					5823	1541	5.3	7.3263	11.5346					

23°.

STANDARD CO-ORDINATES.

3^h 32^m—4^h 20^m

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 3^h 32^m (continued)					R.A. 3^h 48^m (continued)					R.A. 4^h 4^m (continued)				
6254	1696	8.8	23.1106	6.9523	6842	1810	8.9	14.6701	15.3341	7270	1942	8.9	14.5883	2.2125
6290	1700	8.6	24.0386	11.1470	6944	1814	9.4	16.2998	25.4302	7291	1947	9.5	16.3067	4.5225
6353	1702	9.0	24.3477	15.8950	6882	1818	6.9	17.5032	18.0912	7329	1949	9.2	17.4369	7.6105
6227	1703	9.4	24.7475	4.3117	6916	1819	9.1	17.6151	21.8306	7479	1953	9.7	18.2339	21.3891
R.A. 3^h 40^m					6774	1820	8.9	17.9841	9.1238	7471	1964	9.0	20.4202	20.7702
6537	1700	8.6	1.9190	11.1473	6775	1821	9.1	18.1108	8.8918	7303	1967	9.4	22.9210	5.4661
6584	1702	9.0	2.2929	15.8905	6721	1822	9.2	18.8223	2.5853	R.A. 4^h 12^m				
6480	1703	9.4	2.5346	4.3031	6715	1827	9.3	20.6333	2.1609	7558	1972	9.6	3.0620	1.8384
6616	1704	9.4	3.1759	18.5729	6724	1832	9.2	22.0505	2.5630	7722	1973	9.4	3.3057	20.1712
6561	1705	9.2	3.7691	13.8187	6807	1834	8.5	22.3455	11.8201	7765	1976	6.8	3.5697	25.9495
6562	1706	9.3	3.7863	14.2556	6725	1835	9.0	22.4143	3.0286	7699	1978	8.1	4.1552	17.6187
6498	1708	9.3	4.4248	6.5029	6924	1840	8.9	22.9761	23.1307	7594	1980	9.3	4.7022	5.6131
6610	1711	9.1	6.3751	18.1002	6873	1841	9.4	23.0562	17.0405	7576	1982	9.4	5.3066	3.9561
6667	1713	8.3	6.6604	24.5847	6779	1842	9.3	23.5720	9.3349	7553	1983	8.8	5.4127	0.6858
6624	1714	8.5	6.8474	19.8099	6910	1843	8.6	23.6994	21.6257	7766	1984	9.7	5.9463	25.8918
6530	1715	9.0	6.9637	10.1771	R.A. 3^h 56^m					7628	1987	9.0	6.2116	10.0597
6599	1716	9.6	7.6996	16.7766	7057	1842	9.3	1.4277	9.3416	7753	1990	9.5	7.5207	24.4011
6481	1717	8.4	8.1528	4.5846	7170	1843	8.6	1.7227	21.6298	7713	1991	9.6	7.6470	19.4616
6588	1720	8.4	8.7976	15.7475	7148	1845	8.8	3.5254	18.7111	7577	1992	9.2	7.7229	3.5587
6643	1721	9.7	8.8295	21.8537	7192	1848	9.3	4.7158	22.7246	..	1993	9.3	7.8792	20.4116
6511	1724	8.7	10.0082	8.1899	7083	1849	9.5	5.0408	12.1377	7578	1994	9.5	8.1800	3.4600
6474	1729	8.8	11.7042	4.0353	7065	1852	8.8	6.0816	10.1748	7579	1998	9.3	9.7040	3.8420
6483	1730	8.7	12.2475	5.1648	7102	1855	9.6	7.7516	14.1128	7769	2001	9.0	11.0442	25.7274
6547	1731	9.0	12.8231	11.5530	7221	1857	7.8	8.3325	25.9823	7631	2002	9.0	11.1630	10.0207
6640	1734	7.9	14.5193	21.3242	7139	1858	8.6	9.2888	18.1434	7716	2004	6.7	11.6430	18.8584
6485	1737	9.2	15.3365	4.4790	7160	1859	9.0	9.4897	20.4210	7601	2005	7.4	11.7712	5.7965
6592	1738	9.3	15.3576	16.0650	7141	1863	8.7	11.9533	18.5411	7632	2008	9.6	12.3593	9.5421
6520	1740	8.7	16.0099	8.8800	7142	1866	8.5	12.9927	18.4391	7644	2009	8.3	12.6552	10.7263
6491	1741	8.4	16.0746	6.1183	7143	1867	9.0	13.2757	18.3598	7675	2013	9.3	13.6365	15.3764
6492	1745	9.5	17.4556	6.1744	7166	1868	8.7	15.0964	19.7746	7740	2014	8.1	13.6585	22.3847
6613	1746	9.0	18.0807	17.7339	7053	1870	8.1	15.4169	7.6796	7676	2015	9.5	14.8672	14.6077
6486	1749	8.9	18.6025	4.3920	7038	1874	9.3	16.7781	5.5313	7619	2017	9.1	15.2870	7.7998
6669	1752	9.5	19.5195	24.7341	7135	1875	9.5	16.8350	17.5776	7763	2022	8.5	16.9568	25.5327
6633	1756	3.9	20.0008	19.5487	7011	1876	9.5	17.6630	1.8475	7635	2023	9.5	17.1908	10.4357
6487	1760	9.2	21.0277	4.8759	..	1877	9.2	18.0042	0.1605	7620	2024	9.6	17.4880	8.3261
6634	1762	9.3	22.3010	20.4171	7206	1878	9.5	18.0000	24.7681	7663	2027	8.7	18.5838	13.0429
6623	1764	8.5	23.2282	19.0972	7025	1883	9.1	19.6927	4.0665	7764	2029	9.6	19.0562	25.4480
6505	1766	8.5	24.0568	7.0430	7078	1884	7.7	19.8292	11.4410	7678	2032	6.3	19.4817	15.5821
6536	1767	9.5	24.0699	9.6040	7105	1887	9.2	21.2810	14.0590	7592	2035	9.4	20.6118	4.6676
6512	1768	8.9	24.0944	7.7619	7040	1889	9.3	21.5976	6.4690	7735	2038	9.2	21.2240	20.9006
6672	1769	8.5	24.3646	25.0758	..	1896	9.0	22.5560	0.3374	7672	2044	8.7	22.8112	13.6614
6665	1770	8.9	24.4371	24.3367	7155	1899	9.7	23.9484	19.1373	7655	2045	8.8	23.0940	12.1340
R.A. 3^h 48^m					R.A. 4^h 4^m					R.A. 4^h 20^m				
6883	1764	8.5	1.2170	19.1080	7447	1899	9.7	1.9378	19.1382	7807	2046	9.1	1.1168	2.3290
6749	1766	8.5	1.8812	7.0434	7376	1901	8.4	3.3766	13.0473	8047	2053	9.6	4.3518	24.7333
6780	1767	9.5	1.9292	9.6040	7306	1905	9.2	4.4206	5.6271	7930	2056	9.4	4.7697	12.7049
6759	1768	8.9	1.9286	7.7617	7358	1907	9.6	5.4379	10.8802	7801	2060	7.2	5.9594	1.0964
6936	1769	8.5	2.4350	25.0701	7516	1908	9.1	6.3107	25.4362	7886	2062	9.3	6.7183	9.3096
6927	1770	8.9	2.4973	24.3298	7474	1911	9.7	6.5641	21.6583	7947	2063	8.5	7.8062	14.0880
6876	1776	9.1	4.5233	17.7839	7309	1912	9.0	6.6826	5.8327	8062	2066	9.5	8.3379	24.8772
6727	1779	8.8	6.4167	4.1037	7449	1914	8.7	7.2491	19.6150	7839	2068	8.7	9.6962	5.2422
6877	1782	9.4	6.6788	18.2900	7484	1916	8.5	7.3172	22.0138	7841	2074	9.8	11.3737	4.5277
6824	1785	8.5	7.1516	14.3373	7360	1917	9.0	7.4099	10.6715	7963	2075	8.8	11.4798	15.5005
6799	1789	9.3	8.1353	11.8500	7264	1918	9.3	7.4664	2.4652	7887	2078	9.5	11.7886	8.6140
6840	1791	8.7	9.1564	15.5019	..	1920	8.6	8.4957	0.2655	8052	2080	9.0	12.1231	24.6274
6853	1793	9.3	10.7008	16.0856	7288	1922	7.2	9.2187	4.1511	7804	2081	9.1	13.3288	0.6139
6854	1796	9.7	11.2747	15.7516	7340	1923	9.3	9.4886	8.9230	7987	2083	9.3	13.7002	16.9812
6855	1797	7.7	11.3073	15.7748	7486	1924	9.0	10.4456	22.2693	7812	2084	8.5	14.0763	2.2282
6784	1798	8.6	11.4359	10.0065	7517	1926	9.2	10.7691	25.2522	8072	2088	9.5	16.5967	25.8531
6813	1799	8.8	12.0136	12.9053	7463	1930	9.5	11.2422	20.4952	7922	2091	9.2	17.6292	11.7499
6756	1800	8.9	12.0559	7.1609	7426	1931	9.0	11.6313	17.4584	7989	2092	8.7	18.1111	17.1233
6720	1807	8.8	14.0479	3.2246	7520	1932	8.7	11.7544	25.8984	8065	2093	9.5	18.0949	25.5410
6763	1808	7.1	14.3486	7.9038	7279	1940	9.3	13.2519	2.9430	7843	2094	9.1	18.5075	4.8357
6858	1809	8.7	14.3526	15.8899	7280	1941	9.4	13.8861	3.3980					

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 4 ^h 20 ^m (continued)					R.A. 4 ^h 44 ^m					R.A. 4 ^h 52 ^m (continued)				
7815	2096	9.5	18.5201	1.0656	8774	2247	9.1	1.5000	6.4426	9309	2388	8.7	15.7212	15.3456
7981	2097	9.2	18.7259	16.0546	8791	2251	9.5	3.1068	8.2085	9226	2389	8.2	16.0473	8.6150
7990	2100	8.4	19.2938	17.3418	9034	2253	9.1	3.3106	23.5684	9213	2391	9.1	16.5138	7.6033
7999	2101	9.2	19.4083	11.4789	8962	2254	9.5	3.3467	17.9821	9264	2395	8.6	17.9871	12.4930
7972	2102	8.6	20.2150	15.2069	9035	2256	8.9	3.5028	23.5132	9142	2396	7.9	18.0568	3.0868
8028	2106	9.0	21.3556	22.5087	8859	2258	9.2	3.5694	11.3720	9216	2399	9.0	19.2149	7.9669
8004	2108	9.3	22.0916	18.2141	8886	2261	8.7	4.0571	13.4064	9250	2404	9.1	20.5957	10.5806
7877	2113	9.5	23.0487	7.5543	8739	2262	9.2	4.0779	4.5110	9468	2406	9.7	21.4985	25.2118
7927	2116	9.0	23.6740	12.2600	9065	2264	9.1	4.8629	25.2209	9108	2407	9.2	22.3252	1.1910
7940	2119	7.5	24.0008	12.9149	8811	2268	9.4	5.4595	8.6722	9218	2408	7.7	22.3861	7.5932
7993	2120	8.7	24.0351	16.9220	8812	2270	9.4	5.9950	8.4964	9219	2410	9.1	23.0612	7.9875
8005	2121	9.5	24.0600	18.0393	8979	2271	9.0	6.9214	18.6538	9193	2415	9.0	24.7026	5.9256
8021	2123	8.9	24.3603	21.0235	9006	2275	9.2	7.9571	21.4418	9390	2416	9.2	24.7233	20.4430
8058	2125	9.5	24.3980	24.3013	8876	2276	8.2	8.4200	12.5188	R.A. 5 ^h 0 ^m				
R.A. 4 ^h 28 ^m					8878	2278	9.2	9.3255	12.8735	9563	2415	9.0	2.5117	5.9175
8198	2116	9.0	1.5697	12.2712	8843	2281	9.2	9.6931	10.5471	9767	2416	9.2	2.7304	20.4318
8212	2119	7.5	1.9053	12.9157	9034	2282	9.1	10.0964	23.2671	9808	2417	9.5	3.4758	23.5858
8256	2120	8.7	1.9942	16.9217	8829	2285	9.0	10.6292	9.8390	9609	2419	8.9	3.8791	9.9790
8272	2121	9.5	2.0345	18.0386	8912	2287	8.7	11.0172	14.5000	9654	2420	8.9	4.4490	11.6184
8303	2123	8.9	2.3754	21.0183	9008	2289	9.1	11.4185	21.4011	9828	2421	9.4	4.9445	25.0049
8341	2125	9.5	2.4578	24.2951	9069	2291	9.5	12.1703	24.8967	9809	2423	8.0	5.1153	23.2920
8180	2129	9.5	4.6324	10.0203	9043	2296	8.9	14.4893	23.4943	9577	2425	9.4	5.2608	7.3666
8181	2131	8.6	4.8023	9.7827	9056	2297	9.4	14.6734	23.6996	9528	2428	8.6	6.0499	3.0588
8165	2132	9.5	5.1047	8.2271	8971	2298	8.1	14.7037	18.3897	9788	2430	9.4	6.3654	21.4174
8246	2134	8.9	5.7345	16.2612	8800	2299	9.6	15.1662	7.9403	9541	2432	8.8	7.1193	3.7149
8145	2136	9.7	6.6018	5.4976	8714	2300	8.1	15.5170	1.7836	9811	2435	9.5	7.7664	23.4984
8321	2137	8.3	7.1755	21.9526	8937	2302	8.1	15.6786	15.8325	9517	2438	9.6	8.0697	2.2111
8322	2140	8.7	7.9335	21.5396	8864	2304	9.1	15.8506	11.8438	9823	2439	9.5	8.2131	23.9070
8261	2142	9.0	8.1350	17.1024	8865	2305	9.1	15.8825	11.7593	9824	2440	8.7	8.2695	24.1311
8248	2143	7.0	8.3602	15.8994	9091	2306	9.0	17.3508	25.7738	9658	2441	9.3	8.3633	12.0186
8294	2145	8.1	9.0922	20.4944	8835	2307	9.8	17.7247	10.1311	9659	2442	6.8	8.9253	12.2628
8250	2151	9.0	10.9375	16.1826	8770	2308	9.2	17.7643	6.0523	9545	2447	9.3	9.8744	3.6323
8324	2167	9.4	15.9966	22.4835	8989	2315	9.0	19.5254	18.5468	9581	2451	9.2	10.5489	6.7404
8251	2168	9.3	16.2159	15.4822	9000	2319	9.6	21.4745	19.9473	9738	2452	9.3	10.6197	17.7546
8140	2174	9.5	19.3576	4.7847	8787	2324	9.0	22.1881	6.9045	9702	2453	9.6	11.6334	15.0969
8288	2179	9.1	21.4590	18.9670	8753	2325	9.5	22.2185	5.0540	9556	2457	9.3	12.5967	5.2624
8142	2181	9.5	22.6619	5.0062	8885	2327	9.5	23.5379	13.2976	9843	2458	9.2	13.1466	25.7721
8158	2185	8.3	24.3712	6.5504	8756	2329	9.5	24.6086	4.5801	9521	2460	8.9	14.6585	1.4990
R.A. 4 ^h 36 ^m					R.A. 4 ^h 52 ^m					9571	2461	9.1	15.1748	5.7005
8459	2185	8.3	2.1889	6.5467	9272	2327	9.5	1.4476	13.3046	9780	2462	8.9	15.4599	20.0155
8460	2188	8.2	3.0342	6.8251	9164	2329	9.5	2.3993	4.5733	9585	2468	3.4	16.4008	7.0664
8461	2190	8.5	3.5225	7.1296	9470	2331	8.5	3.0757	25.7507	9803	2469	8.9	16.5632	22.4124
8504	2194	7.6	4.6227	10.8152	9223	2332	9.3	3.2455	8.5531	9605	2471	8.7	16.7987	8.7856
8565	2196	8.2	4.8651	16.0280	9114	2338	9.3	4.0938	1.7454	9744	2472	8.2	16.7772	18.1858
8551	2199	9.2	6.8771	14.4663	9245	2342	9.0	4.7088	11.3354	9650	2474	9.1	17.0834	10.6275
8647	2203	9.5	8.9873	24.3593	9168	2343	9.3	5.5614	5.2260	9651	2476	8.7	18.3260	11.2254
8449	2205	9.2	9.4168	5.2182	9393	2346	9.1	5.9637	20.6727	9691	2480	9.1	19.4863	14.1017
8648	2208	9.2	9.7769	24.5352	9393	2346	9.1	5.9637	20.6727	9720	2483	9.1	20.1218	16.2322
8511	2211	8.7	12.4930	10.7141	9169	2349	9.1	6.5730	5.1203	9760	2485	9.0	20.9281	19.0373
8571	2219	8.7	14.4375	15.9487	9394	2351	8.9	7.1559	20.9692	9708	2489	9.2	21.3968	14.7876
8481	2221	9.3	15.1852	7.9371	9118	2352	9.7	7.4483	1.3803	9733	2491	9.3	21.4692	16.8635
8623	2222	9.1	15.7772	22.3489	9396	2354	8.3	8.3285	20.9973	9638	2492	8.5	21.5198	10.3714
8516	2227	8.9	17.9149	10.4925	9306	2355	9.2	8.3778	14.6976	9846	2493	9.5	21.5033	25.8560
8426	2230	9.6	18.6958	3.1096	9150	2357	9.0	8.7755	4.1897	9629	2494	8.9	22.1121	9.7443
8583	2231	7.7	18.9226	17.4199	9397	2359	9.2	9.2323	21.2635	9630	2497	9.0	22.5744	10.1196
8415	2232	8.9	19.7879	1.4168	9198	2361	9.5	10.1198	6.8116	9748	2498	9.1	22.5643	17.8966
8439	2235	9.5	20.3187	3.3821	9103	2362	9.1	10.1220	0.7339	9590	2502	8.8	23.8736	6.7445
8457	2236	9.0	20.5015	6.0116	9380	2363	8.3	10.2651	19.7267	R.A. 5 ^h 8 ^m				
8472	2238	8.5	20.7777	7.1473	9359	2368	8.0	11.4756	17.8622	9,907	2502	8.8	1.6939	6.7472
8656	2240	8.2	21.0963	25.4349	9152	2369	9.1	11.9116	4.1386	10,048	2507	9.0	3.2616	14.2077
8635	2242	7.6	21.4544	22.8132	9124	2371	9.5	12.5458	1.6357	9,947	2508	9.3	3.3434	8.3962
8485	2243	9.4	22.0072	8.2845	9329	2373	8.7	12.8484	15.5683	10,142	2510	9.4	3.6060	19.0017
8585	2244	9.5	22.6218	17.1924	9413	2376	8.6	13.4800	22.5217	9,980	2511	8.0	3.7225	10.1853
8473	2247	9.1	23.6838	6.4370	9360	2377	8.3	13.6730	18.3642	10,242	2514	9.5	4.2314	24.3525
					9414	2380	9.1	14.3835	22.6299	10,010	2516	8.9	4.6664	12.5021
					9155	2382	8.7	14.9821	3.3299					

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 5^h 8^m (continued)					R.A. 5^h 16^m (continued)					R.A. 5^h 24^m (continued)				
9,881	2518	9.8	5.2835	4.2655	10,709	2633	9.5	8.4814	22.4295	10,905	2734	9.1	11.5784	6.8245
10,083	2519	7.5	5.3592	15.9636	10,374	2635	8.7	8.9552	4.8113	11,180	2735	9.5	12.0445	20.0118
9,882	2523	9.4	5.9458	4.1667	10,439	2636	8.3	9.2394	7.3779	11,065	2736	9.1	12.1133	15.1426
9,950	2524	7.5	6.0867	8.4568	10,319	2637	8.4	9.6109	2.0574	10,906	2740	7.0	13.4379	7.2406
9,912	2526	9.1	6.4215	6.2014	10,754	2641	9.6	10.8411	24.1098	11,002	2742	9.6	13.8495	12.4339
10,011	2528	9.0	6.7097	12.3432	10,491	2642	9.7	11.0866	10.5292	10,945	2745	9.5	15.2372	9.3782
9,855	2529	9.6	6.7854	1.2542	10,378	2643	8.9	11.2940	5.2294	10,817	2748	8.8	16.0018	1.7130
10,145	2530	9.3	7.6149	18.6386	10,460	2645	8.3	11.8339	8.7450	11,198	2750	9.6	16.3283	21.3617
9,952	2531	9.9	7.6038	8.9554	10,461	2648	9.3	12.1892	8.7879	10,964	2753	8.3	17.0554	10.5714
10,103	2534	9.4	7.9564	17.1190	10,736	2651	9.1	12.3229	22.7820	10,854	2755	9.0	17.7635	4.2755
10,213	2539	8.9	9.4309	21.3807	10,462	2653	9.2	12.5580	8.9821	11,186	2758	9.2	18.8986	20.2169
9,862	2540	9.0	9.4497	2.9038	10,398	2654	8.9	13.7878	5.6546	10,966	2759	9.6	19.2055	9.8144
9,955	2541	9.2	9.5685	8.5282	10,418	2656	8.6	14.0143	7.2099	11,010	2760	8.7	19.4762	11.6752
10,146	2542	9.6	9.7012	18.9966	10,580	2657	9.7	14.5758	15.9198	11,045	2763	9.1	19.9190	14.6612
9,915	2543	9.7	9.9045	6.0719	10,582	2659	9.4	15.2983	16.3879	11,230	2764	9.0	20.2848	22.2401
10,173	2545	9.1	10.1283	19.3611	10,738	2661	9.5	15.8745	22.9554	11,188	2765	9.2	20.4651	20.1767
10,215	2548	9.5	10.5374	22.2032	10,740	2662	9.5	16.3618	23.5365	10,868	2769	9.5	21.3056	4.6325
9,885	2550	8.4	10.6636	4.5223	10,758	2664	9.3	17.0464	24.0703	10,869	2770	9.3	22.2878	5.3835
10,245	2553	9.2	11.2260	24.4790	10,479	2665	9.7	17.2547	9.6527	11,165	2771	8.9	22.2764	19.0277
9,931	2555	9.4	12.4348	7.5773	10,759	2666	8.9	17.3833	24.5726	11,012	2772	9.3	22.5837	12.4493
10,193	2558	9.3	13.0820	21.1664	10,422	2668	9.2	17.6310	6.5899	11,029	2775	9.2	23.2136	13.1910
9,899	2560	9.4	13.6863	5.1784	10,657	2670	8.9	17.9639	19.4332	11,295	2776	8.5	23.1432	25.1438
9,958	2564	8.6	14.6167	8.5217	10,447	2671	8.6	18.2006	7.3633	10,870	2777	8.5	23.7133	4.6187
10,131	2565	9.1	15.2360	17.2836	10,588	2672	9.3	19.0093	15.8376	11,166	2779	8.1	23.8012	19.0669
10,258	2566	8.5	15.5604	25.9969	10,362	2673	9.7	19.1401	3.4392	10,935	2780	9.5	24.0200	8.5864
9,868	2570	8.9	16.4215	2.7264	10,615	2675	8.1	19.9134	17.2677	10,915	2782	9.3	24.8938	7.1584
9,918	2571	9.3	17.0177	6.2666	10,744	2677	9.3	20.0764	23.0025	10,871	2784	9.5	25.3278	4.7663
9,975	2575	9.1	17.2466	9.7377	10,513	2678	9.2	20.4077	11.6765	R.A. 5^h 32^m				
9,990	2576	9.4	17.2571	10.4727	10,527	2679	9.5	20.5453	13.3859	..	2770	9.3	0.0896	5.4075
10,247	2577	9.2	17.5654	24.9832	10,567	2680	8.7	20.9165	14.9295	..	2771	8.9	0.2644	19.0517
10,238	2578	9.5	17.6518	23.8359	10,721	2681	9.0	20.9723	21.5877	..	2772	9.3	0.4819	12.4692
10,260	2579	9.5	17.7064	25.6523	10,425	2682	9.2	21.3368	6.4880	11,561	2775	9.2	1.1219	13.2026
10,060	2580	7.5	17.7830	14.2721	10,403	2683	9.7	21.4085	5.3259	11,787	2776	8.5	1.2146	25.1554
9,870	2581	9.5	17.8300	2.1047	10,404	2685	9.3	21.6847	5.3050	11,412	2777	8.5	1.5047	4.6239
10,110	2584	9.4	18.8128	16.9247	10,342	2689	9.4	21.9111	2.4650	11,662	2779	8.1	1.7897	19.0698
9,962	2585	9.1	18.8479	8.9846	10,406	2691	7.6	22.4818	5.8314	11,493	2780	9.5	1.8655	8.5873
10,064	2588	9.5	19.2439	14.5721	10,426	2693	9.3	23.7314	7.2696	11,453	2782	9.3	2.7196	7.1476
9,964	2589	9.1	19.4316	8.6332	10,762	2695	8.6	24.2062	23.9425	11,414	2784	9.5	3.1209	4.7501
9,940	2593	9.6	19.8534	7.4374	10,429	2699	9.4	25.2253	7.3130	11,664	2787	9.2	3.9833	18.8192
10,069	2596	9.5	22.0129	15.1300	10,568	2700	9.2	25.1687	14.8981	11,353	2792	9.3	4.7325	1.0172
10,185	2597	9.3	22.1498	19.9284	10,430	2701	9.1	25.5672	6.6594	11,546	2798	8.9	6.1835	11.4930
9,871	2598	9.2	22.7610	2.8247	R.A. 5^h 24^m					11,518	2799	9.3	6.3992	9.6895
10,021	2599	6.9	22.7671	13.1062	10,873	2691	7.6	0.2897	5.8529	11,533	2800	9.1	6.6479	10.6586
10,241	2600	9.7	22.7861	24.1447	10,895	2693	9.3	1.5590	7.2744	11,395	2802	9.1	7.3452	3.4602
10,071	2606	9.4	23.4568	15.2287	11,261	2695	8.6	2.2611	23.9391	11,687	2805	8.5	8.4782	20.1278
10,160	2607	9.0	23.9361	19.2660	10,898	2699	9.4	3.0532	7.2977	11,500	2807	9.3	9.0031	9.2361
10,073	2610	8.2	24.6615	15.0823	11,056	2700	9.2	3.1001	14.8825	11,668	2808	8.6	9.1671	19.2701
9,904	2615	8.0	25.8633	5.6232	10,899	2701	9.1	3.3861	6.6396	11,396	2809	9.9	9.3628	3.3866
R.A. 5^h 16^m					11,082	2705	8.3	5.0788	16.1396	11,521	2810	9.5	9.3847	10.1006
10,328	2598	9.2	0.5279	2.8427	10,922	2706	9.4	5.0867	8.2389	11,809	2815	8.3	12.5118	25.7205
10,514	2599	6.9	0.6743	13.1237	11,036	2710	9.4	6.8108	13.7168	11,461	2818	9.6	13.4759	6.7453
10,747	2600	9.7	0.8438	24.1616	10,975	2711	8.4	6.8265	10.9576	11,775	2824	8.7	15.2937	23.8053
10,548	2606	9.4	1.3929	15.2366	11,017	2712	9.1	6.9482	12.9530	11,553	2825	9.1	15.4253	12.2625
10,646	2607	9.0	1.9272	19.2669	11,216	2714	9.6	7.6213	22.2224	11,554	2826	8.5	15.6807	11.7489
10,550	2610	8.2	2.5955	15.0737	10,924	2717	9.2	8.3671	8.1824	11,536	2830	8.8	16.7228	10.7106
10,386	2615	8.0	3.6681	5.5998	11,149	2718	9.4	8.6000	19.6243	11,442	2831	9.0	17.0627	5.8218
10,412	2619	9.7	4.1567	6.7586	10,925	2719	8.9	8.5686	7.9151	11,371	2832	9.6	17.3787	1.7614
10,731	2620	9.1	4.4630	22.8604	10,937	2720	8.8	8.8357	9.0839	11,640	2835	9.5	17.7062	17.2397
10,346	2621	9.4	4.5689	3.3497	10,926	2721	9.9	8.8930	7.8594	11,525	2838	9.6	18.7280	10.3977
10,751	2622	9.4	5.7010	24.3602	10,879	2722	9.3	8.9319	5.6797	11,822	2840	9.7	19.3118	25.7486
10,599	2623	8.6	6.1822	16.4266	11,283	2724	9.2	9.5835	25.3479	11,572	2842	9.5	19.6496	12.6459
10,500	2625	8.8	6.6802	11.7296	11,126	2725	8.6	9.8120	18.0099	11,446	2843	9.5	19.7092	5.4478
10,390	2626	9.4	6.7608	6.0927	10,880	2726	9.6	9.9668	5.5238	11,758	2846	9.2	19.8804	23.3661
10,649	2627	8.7	6.9656	19.4344	11,020	2729	9.3	10.9600	12.8413	11,447	2847	9.3	20.3621	5.3749
10,601	2630	9.0	8.2190	16.9472	11,196	2730	9.5	11.1579	21.6834	11,680	2848	9.5	21.0987	18.7568
10,651	2632	9.6	8.4206	19.2395						11,590	2851	9.5	21.5867	13.5708

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 5^h 32^m (continued)					R.A. 5^h 40^m (continued)					R.A. 5^h 56^m (continued)				
11,574	2857	9.3	21.9699	12.8481	12,179	2983	9.3	23.3795	23.2204	13,126	3096	8.5	1.8305	4.4245
11,559	2864	9.0	22.8356	11.6100	11,882	2985	9.1	23.6930	3.5481	13,321	3097	6.5	2.0491	11.2994
11,785	2865	9.3	22.7771	24.1964	12,217	2986	9.5	24.0115	25.5300	13,258	3102	9.1	2.4342	9.0022
11,746	2867	7.7	23.8589	22.3487	11,871	2987	7.6	24.5017	2.0821	13,522	3103	9.0	2.5311	17.6968
11,528	2869	9.3	24.0255	10.0954	11,937	2989	8.7	24.7411	7.3795	13,523	3105	8.9	2.8644	18.0511
11,529	2872	8.1	24.7067	9.4497	11,920	2991	9.7	25.3907	6.3472	13,469	3106	6.4	3.0928	15.7864
11,409	2875	8.1	24.9785	3.5469	12,042	2992	9.0	25.3559	13.4543	13,654	3107	9.6	3.2669	23.0721
11,593	2876	8.5	24.9073	14.1056						13,146	3110	9.2	3.4972	4.7670
R.A. 5^h 40^m					R.A. 5^h 48^m					13,689	3112	9.5	4.5047	25.5525
12,018	2864	9.0	0.7224	11.6266	12,952	2978	8.9	0.4130	24.2090	13,620	3116	9.5	5.1328	22.3964
12,182	2865	9.3	0.8355	24.2134	13,008	2979	8.7	0.5768	25.8784	13,130	3117	9.5	5.4143	3.5283
12,155	2867	7.7	1.8921	22.3504	12,494	2982	8.8	1.2241	9.9042	13,098	3118	9.4	5.4249	3.2243
11,975	2869	9.3	1.8915	10.0960	12,929	2983	9.3	1.4247	23.2288	13,170	3121	9.7	5.9849	6.2465
11,955	2872	8.1	2.5639	9.4411	12,315	2985	9.1	1.4698	3.5536	13,263	3123	9.4	6.2328	9.4918
11,886	2875	8.1	2.7551	3.5356	12,979	2986	9.5	2.0881	25.5293	13,055	3127	9.6	7.1929	1.1055
12,045	2876	8.5	2.8280	14.0937	12,274	2987	7.6	2.2584	2.0771	13,395	3128	9.4	7.4225	13.2543
11,957	2880	9.3	4.0386	8.8821	12,433	2989	8.7	2.5700	7.3707	13,624	3129	8.9	7.5582	22.6573
11,997	2895	9.4	7.1045	10.9873	12,408	2991	9.7	3.2054	6.3300	13,236	3142	9.1	9.6787	7.9990
12,052	2899	9.0	7.5110	15.0734	12,637	2992	9.0	3.2675	13.4362	13,200	3146	9.0	10.1538	6.7056
11,906	2900	6.1	7.5226	6.0781	12,275	2997	8.2	4.1591	2.0865	13,103	3147	8.8	10.2306	2.9616
11,924	2901	9.3	7.8552	7.4706	12,933	2998	8.4	4.4293	23.1425	13,267	3149	9.3	10.4914	8.6965
11,961	2903	9.4	8.5725	9.3519	12,347	2999	9.1	4.3932	4.7248	13,403	3150	8.6	10.6786	13.0843
12,169	2904	9.0	9.0537	23.5044	13,011	3000	9.3	4.9187	25.9600	13,604	3153	8.9	11.4008	21.4899
12,118	2905	9.1	9.2732	19.9429	12,321	3007	8.7	5.8007	4.1009	13,083	3156	8.8	12.5339	2.1252
11,911	2906	9.3	9.3389	6.3808	12,322	3008	8.8	5.8364	3.3856	13,243	3163	9.9	14.3318	7.6557
12,205	2907	9.5	9.8587	25.6962	12,610	3011	6.4	6.6935	13.0373	13,678	3164	8.8	14.6222	24.1118
12,206	2908	9.5	10.3079	25.8614	12,723	3016	9.0	8.2167	16.1769	13,450	3168	9.0	15.4326	15.0158
12,002	2914	8.2	11.6331	10.8683	12,437	3017	8.7	8.2733	8.1719	13,664	3170	9.0	15.7317	23.7801
12,122	2915	8.7	11.6522	19.9971	12,725	3023	9.3	8.9778	16.1684	13,213	3173	9.1	16.5272	7.1696
11,980	2916	9.6	11.9586	9.7066	12,326	3026	8.7	9.7147	3.8794	13,113	3175	8.7	17.0342	2.7642
12,123	2917	9.4	12.2493	19.8751	12,796	3029	8.4	10.2918	18.1557	13,306	3178	9.5	17.3737	10.1588
12,089	2920	8.8	12.4705	17.9092	12,544	3030	9.1	10.2828	10.6113	13,682	3181	9.1	18.2065	24.2257
12,006	2921	8.8	12.6194	11.2073	12,990	3033	8.7	10.9642	25.6390	13,116	3182	9.7	18.4692	2.7388
11,947	2923	9.0	12.7996	7.7779	12,615	3035	7.0	11.0603	12.4195	13,161	3184	8.6	18.8180	4.7015
12,157	2924	9.0	13.3710	22.8457	12,330	3036	9.4	11.2167	3.5010	13,278	3187	9.7	19.0799	9.6286
11,915	2925	7.0	13.7685	6.4433	12,283	3038	8.6	11.4256	1.6433	13,183	3188	9.5	19.2563	6.0752
12,142	2926	9.0	13.8020	20.8849	12,772	3048	9.1	13.9561	16.5590	13,279	3189	9.4	19.5986	9.5539
11,930	2927	3.8	13.8196	6.7658	12,894	3050	9.1	14.7059	20.6522	13,509	3191	9.4	19.6680	17.0916
12,007	2929	9.3	14.3877	11.3559	12,421	3055	9.2	15.7405	6.9169	13,666	3192	9.0	19.8460	23.0860
12,008	2932	9.0	14.6707	11.6718	12,394	3058	8.5	16.1947	5.7191	13,138	3195	9.5	20.2664	4.4290
11,931	2933	8.6	14.7705	7.5791	12,701	3059	9.0	16.5378	14.7666	13,460	3197	7.9	20.8455	15.6372
12,009	2934	9.4	14.8262	11.4143	12,704	3062	9.5	17.8596	15.2490	13,215	3198	9.4	20.9635	6.6591
11,905	2936	9.3	15.6013	4.6552	12,309	3065	9.7	18.3661	2.9545	13,314	3199	8.5	21.3512	9.8952
11,933	2938	9.2	15.9719	6.9668	12,397	3071	9.0	19.6887	5.8121	13,348	3203	8.3	22.1381	10.7842
12,145	2940	8.7	16.1064	21.0457	12,560	3074	8.9	20.0262	11.2704	13,430	3205	9.2	22.2794	14.6457
12,176	2941	8.4	16.3184	23.5237	12,976	3079	8.9	20.6125	24.6497	13,163	3207	9.2	23.4034	4.7337
12,211	2942	9.4	16.3883	25.7153	13,002	3081	10.0	20.9669	25.4483	13,119	3210	9.2	23.8494	2.6013
12,025	2943	9.4	16.4495	11.9850	12,398	3082	9.0	21.1735	6.1544	13,668	3212	9.6	23.8079	23.1320
11,892	2944	9.0	16.4811	3.8578	12,487	3086	9.3	22.1149	9.0019	13,221	3213	9.6	24.0419	7.0709
11,878	2945	9.4	16.7700	3.4464	12,526	3090	9.3	22.4456	10.3732	R.A. 6^h 4^m				
12,059	2947	8.0	17.7951	15.1491	12,920	3091	9.1	22.8361	22.0077	14,142	3205	9.2	1.2076	14.6561
12,108	2948	9.3	17.8071	19.1438	12,313	3093	9.0	23.1629	2.7225	13,837	3207	9.2	1.1964	4.7428
12,162	2949	9.0	18.0579	22.2200	12,811	3094	9.2	23.5010	18.5389	13,803	3210	9.2	1.6132	2.6048
12,149	2951	7.2	18.7264	21.2112	12,377	3096	8.5	24.0418	4.4236	14,344	3212	9.6	1.8517	23.1343
11,879	2958	9.4	19.5403	2.8076	12,565	3097	6.5	24.1666	11.3009	13,901	3213	9.6	1.8666	7.0715
12,012	2959	9.0	19.7761	11.6611	12,490	3102	9.1	24.5830	9.0090	14,323	3224	9.2	4.6953	22.3156
11,967	2961	8.8	19.8471	8.9235	12,814	3103	9.0	24.5614	17.7044	13,969	3230	9.0	6.9758	8.7052
11,987	2964	9.3	19.8936	10.2488	12,815	3105	8.9	24.8897	18.0633	14,231	3235	8.9	7.9294	18.3225
12,109	2966	9.5	19.9762	18.9938	12,749	3106	6.4	25.1490	15.8018	13,807	3237	7.8	8.4364	2.6151
12,014	2967	8.7	20.1103	11.4258	12,950	3107	9.6	25.2238	23.0897	14,121	3238	6.2	8.4910	14.1950
12,110	2969	9.1	20.1643	19.6085	12,381	3110	9.2	25.7038	4.7881	14,256	3239	7.6	8.8634	19.3609
12,040	2971	8.7	20.9052	13.4843	R.A. 5^h 56^m					13,872	3240	8.6	8.8686	5.7065
12,028	2975	9.3	21.5868	11.9939	13,283	3090	9.3	0.3155	10.3951	14,124	3245	8.5	9.3777	13.9801
12,195	2978	8.9	22.3547	24.1861	13,612	3091	9.1	0.8647	22.0239	13,779	3246	8.5	9.4718	1.9860
12,215	2979	8.7	22.4957	25.8576	13,094	3093	9.0	0.9284	2.7350	14,260	3250	8.7	10.2331	19.0019
11,989	2982	8.8	23.3607	9.8946	13,521	3094	9.2	1.4823	18.5459	13,829	3251	8.7	10.2399	4.0508

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 6 ^h 4 ^m (continued)					R.A. 6 ^h 12 ^m (continued)					R.A. 6 ^h 20 ^m (continued)				
13,945	3252	8.0	10.4908	7.6768	14,740	3379	9.2	7.8314	11.3158	10,052	3497	9.5	2.0912	19.0885
13,783	3255	9.3	11.5979	2.2025	14,538	3383	7.9	8.4735	3.2814	15,713	3502	9.1	2.3458	10.4014
13,916	3260	9.2	12.2879	6.5361	15,076	3385	8.7	8.7038	21.4160	10,108	3505	7.4	3.2045	20.1236
13,879	3261	9.3	12.3854	6.4812	14,871	3391	9.4	9.1727	15.3728	15,346	3508	9.3	3.4608	3.2122
14,291	3262	8.8	12.4534	20.2596	15,077	3392	9.6	9.3466	20.9735	15,444	3511	8.4	4.4803	4.5735
13,946	3263	9.3	12.7022	7.8446	15,106	3393	9.2	9.4983	22.0817	15,674	3514	9.5	5.0111	10.1291
14,001	3264	9.0	12.9216	10.3143	15,204	3394	8.9	9.6096	25.8005	15,347	3517	8.4	5.5927	2.9462
14,152	3266	9.2	13.5645	14.9524	14,842	3397	9.1	10.3330	13.9152	15,348	3520	9.5	6.0740	2.6315
14,411	3268	8.9	13.8712	24.9352	14,980	3400	9.0	11.0471	17.8696	15,627	3521	8.7	6.1134	9.3086
14,385	3274	9.5	14.3430	24.0936	14,595	3403	8.8	11.5458	2.9116	15,848	3523	9.0	6.5447	14.2488
13,917	3275	9.0	14.4766	6.8325	14,506	3405	9.5	12.1845	2.9664	16,067	3524	9.5	6.6184	19.1887
14,334	3277	8.8	14.7949	22.1228	14,717	3406	8.5	12.3755	9.5574	15,849	3525	9.2	6.6425	14.4557
14,237	3279	9.3	14.9866	17.7114	14,718	3407	9.2	12.4154	9.9701	15,706	3528	9.0	7.1640	11.7652
13,885	3280	6.7	15.1079	5.9158	14,946	3408	8.6	12.4472	16.8471	15,932	3530	9.4	7.4323	15.9693
14,357	3286	9.2	16.5137	23.0707	15,081	3410	9.7	12.5540	21.2615	15,393	3531	8.8	7.6405	3.4036
14,267	3287	9.0	16.5310	19.5699	14,876	3411	8.5	12.5747	14.4730	16,112	3534	9.6	8.0466	20.4677
13,849	3290	8.3	16.9179	4.5195	14,948	3412	8.7	12.5876	16.5833	16,070	3536	8.4	8.1849	19.5148
13,791	3292	7.7	17.1125	2.2135	14,586	3413	9.5	12.6939	5.2829	15,575	3537	8.1	8.1741	7.5972
14,181	3293	9.4	17.1687	16.5058	14,587	3419	9.4	13.2640	5.6891	15,576	3538	9.7	8.1819	8.2922
14,007	3294	7.0	17.4255	10.0966	14,685	3422	9.5	13.4705	9.2887	15,397	3539	9.0	8.5465	3.7136
13,924	3295	9.4	17.5735	7.1448	14,686					16,156	3540	8.9	9.1617	21.0167
14,313	3300	9.0	18.6486	21.7137	14,621	3424	9.5	13.8733	6.6740	15,857	3542	9.6	9.4543	14.1106
14,336	3301	9.3	18.7686	22.2172	15,112	3425	9.2	13.8875	21.8647	16,340	3543	9.1	9.4929	24.8583
13,795	3302	9.5	18.8682	1.5494	14,589	3426	9.6	14.0548	6.1224	15,403	3550	8.7	10.3563	3.3601
13,852	3306	8.7	19.5140	5.1071	14,850	3428	9.1	14.9777	13.7852	16,161	3555	9.5	11.3425	21.3969
14,157	3307	9.3	19.4907	15.1829	15,142	3430	9.5	15.0560	23.4094	15,889	3558	8.6	11.7077	14.8445
14,159	3308	9.1	19.5986	15.0988	14,880	3431	9.3	15.2537	14.4609	15,890	3559	9.2	11.7194	15.1528
13,926	3309	9.5	19.6757	7.4116	14,591	3432	8.8	15.2902	5.8151	15,313	3560	9.2	12.0090	2.3198
13,797	3312	9.0	20.2067	1.7980	14,989	3433	9.1	15.2968	18.0564	15,265	3563	9.1	12.2569	1.3061
14,315	3313	8.9	20.3591	20.8035	14,690	3435	6.5	15.3593	9.0559	16,261	3569	9.8	13.3032	23.2001
14,362	3315	9.2	20.9436	23.0517	14,691	3436	9.5	15.4038	8.9554	15,981	3571	9.3	13.6671	16.9961
13,893	3317	9.2	21.1063	5.7233	14,565	3437	7.6	15.5672	5.0479	16,263	3572	9.6	13.7991	22.8446
14,040	3319	8.3	21.3867	10.6938	15,189	3440	7.2	15.9650	25.4507	16,264	3578	9.8	14.1886	23.2144
14,341	3321	8.4	22.2897	22.1454	15,167	3441	9.1	15.9869	23.9871	16,167	3580	9.6	14.3922	21.6240
14,043	3323	8.5	22.5938	11.5189	14,654	3444	9.6	16.6783	8.1731	15,819	3581	9.1	14.6191	13.0281
13,798	3324	9.2	22.9154	1.9691	15,168	3445	9.5	16.7198	23.9361	15,892	3583	9.7	14.9004	14.9651
14,013	3325	9.0	22.9477	10.3895	15,027	3447	8.8	16.8479	18.9041	15,508	3585	10.0	14.9589	5.7002
13,767	3330	8.7	23.7143	1.0172	14,884	3453	9.4	17.5621	15.2617	15,466	3588	8.5	15.4367	4.9531
13,819	3332	9.3	23.8498	2.6198	14,887	3455	9.7	18.2290	14.5881	15,545	3589	8.5	15.7063	7.1924
13,859	3339	8.3	25.0351	5.2940	14,594	3457	8.7	18.4692	6.0597	15,510	3594	9.7	16.5434	5.4425
13,928	3340	8.5	25.0301	7.4745	14,569	3459	9.6	19.1698	5.1410	16,353	3593	8.6	16.3875	25.6458
R.A. 6 ^h 12 ^m					14,759	3460	9.3	19.2547	10.4586	15,736	3599	8.3	16.7459	11.4612
14,452	3330	8.7	1.4565	1.0227	14,761	3462	9.3	19.3215	10.6974	15,987	3600	9.5	17.0324	17.5765
14,496	3332	9.3	1.6139	2.6234	14,547	3465	9.2	20.0914	3.3641	16,170	3601	9.7	17.1421	21.3226
14,577	3339	8.3	2.8355	5.2816	14,763	3467	9.4	20.3089	10.7870	15,947	3602	9.5	17.1607	16.5972
14,639	3340	8.5	2.8602	7.4619	14,548	3471	8.7	20.9504	3.3741	16,269	3603	9.2	17.3686	23.2455
14,972	3342	8.8	2.9641	18.3801	14,961	3472	9.0	20.8917	16.9933	15,788	3604	9.6	17.9476	11.7002
14,833	3345	9.3	3.1165	14.3196	15,036	3473	8.6	20.9736	18.9260	15,693	3606	9.6	18.2573	9.8151
15,051	3347	9.3	3.4550	19.7613	14,828	3474	9.4	21.3016	12.8095	16,271	3607	9.2	18.5776	22.7940
15,052	3349	8.7	3.5587	19.6946	14,571	3479	8.6	22.0005	4.6791	15,739	3613	8.8	19.4969	11.1222
14,454	3350	9.6	3.5385	1.0358	15,039	3480	9.5	22.2132	18.9354	15,368	3615	9.3	19.5904	2.5690
14,909	3351	9.1	4.0177	15.8325	14,489	3482	7.0	22.5129	1.7569	15,600	3617	8.9	19.7268	8.2226
14,497	3352	9.1	4.3165	2.3171	15,121	3483	9.4	22.4087	22.3750	15,950	3618	9.7	19.7659	15.6585
15,174	3357	8.8	4.7383	24.6190	14,551	3486	9.2	22.8771	4.0846	15,601	3620	9.1	19.9080	7.5309
14,499	3361	9.5	5.0849	2.3511	14,700	3487	8.4	22.8884	8.6165	16,275	3622	9.5	19.8847	23.1213
14,555	3362	9.3	5.1975	4.5777	15,215	3491	8.8	23.2213	26.0115	16,037	3625	9.1	20.3416	18.3027
14,613	3363	9.2	5.2779	7.2661	15,123	3493	8.7	23.7290	21.8481	16,311	3627	9.2	20.4064	24.4615
14,709	3365	9.1	5.6408	10.0785	14,523	3494	9.2	23.8669	2.6102	15,604	3630	9.4	21.1300	8.2078
14,535	3366	9.5	5.6159	3.9831	14,863	3495	8.1	23.8118	13.7771	16,366	3631	8.7	21.2421	25.3238
14,807	3368	9.1	5.8119	13.1029	15,044	3497	9.5	24.1024	19.0898	15,745	3633	8.1	21.4042	10.6998
14,536	3369	9.4	6.0677	3.5391	14,770	3502	9.1	24.4749	10.4670	15,605	3635	8.8	21.4431	7.6510
14,939	3370	8.3	6.2043	16.8675	R.A. 6 ^h 20 ^m					16,368	3636	9.3	21.4119	25.1791
15,134	3371	7.5	6.4764	23.0607	16,379	3491	8.8	1.3045	26.0220	15,998	3639	9.5	21.7895	17.0773
15,053	3373	9.1	6.6192	20.4290	16,188	3493	8.7	1.7554	21.8517	16,041	3640	9.0	21.8544	18.2979
14,557	3376	9.6	7.2392	4.6396	15,338	3494	9.2	1.6309	2.6136	15,327	3641	7.7	22.0377	1.7854
14,676	3378	9.3	7.7991	9.1451	15,839	3495	8.1	1.7281	13.7803	15,517	3643	9.4	22.1980	5.9681
										16,001	3646	9.4	22.4683	16.9639

Reference No.		Mag.	Standard co-ordinates. 1900-0.		Reference No.		Mag.	Standard co-ordinates. 1900-0.		Reference No.		Mag.	Standard co-ordinates. 1900-0.	
Hyl.	Cordoba.		ξ.	η.	Hyl.	Cordoba.		ξ.	η.	Hyl.	Cordoba.		ξ.	η.
R.A. 6 ^h 20 ^m (continued)					R.A. 6 ^h 28 ^m (continued)					R.A. 6 ^h 36 ^m (continued)				
16,226	3649	9.5	22.7803	21.8673	16,656	3775	9.0	21.0895	8.0763	17,668	3900	9.1	18.1942	12.0996
16,228	3651	8.8	22.8535	21.7969	16,472	3780	6.9	22.1355	1.3542	17,384	3901	8.6	18.3746	5.1715
15,330	3653	9.2	23.3039	1.5131	16,599	3783	8.9	22.6938	6.5748	17,737	3902	9.6	18.3979	14.5380
15,829	3655	9.1	23.3264	13.1789	16,928	3787	9.3	23.1301	16.5160	17,429	3904	9.3	18.6843	5.8702
15,832	3656	9.5	24.1031	12.6207	16,521	3788	9.4	23.5742	2.8832	17,695	3905	9.4	18.7743	12.7976
15,432	3658	9.7	24.5350	4.3131	17,188	3789	9.3	23.7236	25.5532	17,347	3906	9.1	19.0156	4.1753
15,480	3659	9.1	24.7365	5.2841	17,189	3790	8.0	23.8200	25.4759	18,082	3907	9.1	19.1850	23.5409
16,100	3661	9.4	24.8909	18.7326	16,761	3791	9.5	23.9397	10.8409	17,738	3910	7.8	19.2906	14.6339
R.A. 6 ^h 28 ^m					R.A. 6 ^h 36 ^m					R.A. 6 ^h 44 ^m				
16,476	3653	9.2	1.0529	1.5241	17,782	3787	9.3	1.0838	16.5285	19,032	3942	9.0	1.8262	16.8675
16,803	3655	9.1	1.2346	13.1890	17,302	3788	9.4	1.3419	2.8902	18,499	3943	9.6	1.7983	6.2111
16,774	3656	9.5	2.0037	12.6200	18,127	3789	9.3	1.8005	25.5567	18,589	3944	9.5	1.9342	8.3071
16,524	3658	9.7	2.3222	4.3078	18,128	3790	8.0	1.8958	25.4780	19,034	3945	9.6	1.9954	16.5477
16,559	3659	9.1	2.5370	5.2756	17,587	3791	9.5	1.8160	10.8426	18,500	3946	8.3	1.9293	6.7006
16,982	3661	9.4	2.8837	18.7200	17,588	3793	9.5	2.0190	10.8766	18,439	3947	8.3	2.0124	5.3951
16,661	3664	9.3	3.1178	9.0305	17,784	3796	9.3	2.2835	15.9412	18,978	3948	9.0	2.1191	16.2840
16,662	3666	9.7	3.9755	8.8222	17,444	3797	8.8	2.2857	6.4984	18,696	3949	9.4	2.0992	11.0757
16,526	3667	9.4	4.1158	4.0870	17,589	3798	9.1	2.4586	11.2750	18,400	3950	8.2	2.2802	4.9703
16,875	3668	8.9	4.3537	15.0845	17,334	3800	9.3	2.7152	4.2467	18,934	3952	8.7	2.5068	14.2928
17,146	3669	9.1	4.7494	24.1032	17,446	3802	7.0	3.2456	7.4006	18,592	3953	9.1	2.6488	9.1532
16,584	3670	9.5	4.7427	6.5141	17,555	3803	9.0	3.2739	9.6701	19,546	3954	9.0	3.3131	24.8255
16,585	3673	9.3	5.1253	6.2908	17,789	3807	9.2	3.6846	15.9351	18,503	3955	9.2	3.2689	6.5920
16,606	3675	7.8	5.3031	7.3214	17,639	3808	9.0	3.8608	12.1417	18,699	3956	9.7	3.3067	10.9814
16,946	3676	9.7	5.3561	17.4411	17,304	3809	8.1	3.8452	3.2098	18,699	3956	9.7	3.3067	10.9814
17,149	3677	9.0	5.5434	23.9949	17,832	3811	9.1	4.1688	17.1612	19,548	3958	9.3	3.8294	24.8073
16,483	3681	9.3	5.9334	2.3566	17,792	3815	8.9	4.9137	15.7377	19,358	3960	8.2	3.9945	22.1295
16,580	3682	9.1	5.9776	6.2733	17,479	3816	9.5	4.9408	7.6742	18,353	3962	9.5	4.1662	3.3078
16,665	3684	9.2	6.5194	8.6010	17,595	3817	9.3	5.0646	11.4383	19,039	3969	7.4	5.3408	17.3205
16,668	3686	9.3	6.8107	8.7428	17,793	3818	9.0	5.1991	16.3068	18,986	3970	9.4	5.4236	15.9917
16,911	3689	9.1	7.8385	16.1403	17,793	3821	9.3	6.0949	13.6284	19,171	3971	8.6	5.6672	18.7274
16,564	3691	10.0	7.9505	5.4391	17,717	3821	9.3	6.0949	13.6284	19,622	3974	8.5	6.1165	25.9677
17,175	3693	8.2	8.2569	25.9015	17,407	3822	9.6	6.1473	5.7458	18,552	3976	8.6	6.2997	8.1494
16,537	3695	7.6	8.6344	4.0388	18,165	3825	9.2	6.4649	25.9667	19,041	3978	9.1	6.6482	17.3084
17,176	3697	9.4	8.7367	25.5095	17,685	3829	9.1	6.7297	13.0934	18,836	3979	9.5	6.6779	12.7991
16,565	3700	9.4	9.1621	5.4711	17,939	3831	8.9	7.4559	19.7812	18,940	3980	9.4	6.9543	14.9394
16,912	3707	9.5	9.9893	16.6052	17,522	3833	8.4	7.6566	9.1639	18,837	3981	9.5	6.9691	12.3729
17,094	3708	9.1	10.3844	22.6755	17,907	3834	7.9	8.0996	18.9144	18,454	3986	8.3	7.7932	5.2808
17,202	3712	9.6	11.5816	26.1130	17,868	3835	9.4	8.1660	18.4034	18,558	3987	9.5	7.9823	7.6488
16,567	3713	9.7	11.6724	4.8112	17,646	3837	9.2	8.2713	12.3639	19,112	3990	9.5	8.1449	13.5166
17,156	3716	8.8	11.9555	24.0582	17,647	3838	8.9	8.2793	12.4176	18,261	3992	9.5	8.7248	1.9861
16,490	3718	9.6	12.0303	2.2355	17,451	3839	9.0	8.3841	7.3443	19,561	3993	8.5	8.8479	25.4442
16,954	3720	6.0	12.1452	17.1552	18,166	3841	9.0	8.8142	26.0023	18,318	3994	9.6	9.0489	2.2658
16,916	3721	9.3	12.1861	16.2639	17,368	3844	9.6	9.1857	4.4996	18,604	3997	9.4	9.5093	8.8607
16,918	3723	9.1	13.3716	16.0293	17,649	3846	9.2	9.5157	11.6611	18,559	3998	8.3	9.7819	7.8724
17,051	3725	9.5	13.7172	20.0670	17,371	3849	9.2	10.2371	5.1317	18,842	4000	8.5	10.4059	12.3333
17,028	3726	9.3	13.7507	18.8370	17,726	3852	8.9	10.3963	14.0868	18,460	4001	9.2	10.4881	5.3546
17,180	3729	9.4	14.0106	25.6414	17,980	3855	9.3	10.7572	21.6759	18,727	4004	9.5	11.4178	10.8588
16,848	3731	8.4	14.0945	14.3424	17,654	3856	9.4	11.1244	12.5374					
17,029	3732	8.7	14.2320	19.7009	17,946	3858	7.1	11.4715	20.2561					
16,547	3735	9.2	14.7512	4.0767	17,611	3863	8.0	12.1363	10.7619					
16,741	3736	9.3	14.7973	10.9183	17,949	3865	8.4	12.3742	20.3543					
16,495	3737	9.7	14.8397	1.9087	17,917	3867	8.7	12.5856	19.6386					
16,616	3742	8.1	15.6773	7.4097	17,876	3869	9.3	12.8826	18.4378					
16,814	3745	8.1	15.9960	12.9035	18,030	3870	8.7	12.9350	21.8932					
17,076	3747	8.5	16.0976	21.1297	17,533	3873	9.0	13.2491	9.1437					
16,817	3753	8.8	16.9080	13.3887	17,769	3876	8.7	13.4260	15.4821					
16,710	3754	9.0	17.0485	10.5848	18,032	3879	9.6	13.4825	7.6620					
16,648	3755	9.3	17.1161	8.4428	17,732	3881	9.1	13.5771	22.1783					
16,516	3757	8.9	17.6872	3.2708	17,617	3887	9.6	15.4368	11.0305					
16,748	3759	9.3	17.9422	10.7725	17,289	3894	8.5	16.1066	2.4237					
17,103	3763	9.1	19.1156	22.5718	17,427	3899	8.9	17.9189	5.6730					
17,208	3768	9.1	20.0808	26.0569										
17,004	3769	8.8	20.4307	17.8802										
16,552	3771	9.1	20.6676	3.9273										
16,752	3773	5.0	20.9188	11.6452										
16,716	3774	9.1	21.0387	9.7480										

Reference No.		Mag.	Standard co-ordinates, 1900.0.		Reference No.		Mag.	Standard co-ordinates, 1900.0.		Reference No.		Mag.	Standard co-ordinates, 1900.0.	
Hyd.	Cordoba.		ξ'.	η'.	Hyd.	Cordoba.		ξ'.	η'.	Hyd.	Cordoba.		ξ'.	η'.
R.A. 6^h 44^m (continued)					R.A. 6^h 52^m (continued)					R.A. 6^h 52^m (continued)				
19,370	4006	9.2	11.4136	21.9883	19,842	4113	9.7	3.1705	3.9193	20,068	4269	8.7	23.6015	7.9892
19,569	4007	8.4	11.4847	24.5649	20,202	4116	8.1	3.5899	12.1265	20,192	4270	8.4	23.5977	11.4638
19,119	4009	9.7	11.5462	17.7128	19,885	4119	9.8	3.7341	4.5265	19,785	4272	9.3	23.6744	2.2121
18,788	4010	9.5	11.5764	11.8843	20,256	4121	8.9	4.0776	12.8716	20,751	4274	8.9	23.7170	21.9995
18,787	4011	9.3	11.5886	11.6446	20,715	4122	9.0	4.1352	22.1576	20,069	4275	8.7	23.9039	7.9998
18,267	4014	8.1	11.7556	1.7130	20,767	4123	8.8	4.4566	23.1098	20,387	4279	8.9	24.4819	15.1297
19,125	4019	9.3	12.6186	17.4601	20,496	4124	9.5	4.4957	18.3731	20,029	4280	8.3	24.7653	7.0489
19,127	4022	9.5	13.6470	17.9075	20,352	4125	8.9	4.5631	15.2131	20,388	4281	9.1	24.7451	14.8475
18,520	4024	9.2	13.6986	6.8368	20,040	4126	9.8	4.5517	7.8041	20,753	4282	9.6	24.8392	22.6243
18,733	4025	9.3	13.8564	10.6779	20,875	4129	8.4	4.9619	25.5456	R.A. 7^h 0^m				
18,734	4026	8.9	14.1110	10.3517	20,877	4130	8.6	5.0658	24.9418	22,107	4268	9.3	1.4131	22.8951
18,906	4028	7.8	14.7064	14.0699	20,158	4132	9.2	5.2955	11.1708	21,317	4269	8.7	1.4389	7.9956
18,274	4029	9.4	14.7349	2.0112	20,879	4135	8.8	5.6229	24.8758	21,501	4270	8.4	1.4825	11.4700
18,567	4032	9.0	15.3857	8.1317	20,082	4136	9.5	5.6398	8.8411	21,078	4272	9.3	1.4330	2.2180
18,736	4033	9.2	15.6390	11.0831	19,891	4140	9.2	5.9876	4.7363	22,048	4274	8.9	1.7454	22.0034
18,471	4037	9.5	16.4409	5.7843	20,556	4143	9.3	6.3233	18.6768	21,318	4275	8.7	1.7414	8.0023
19,061	4038	8.9	16.5341	17.1023	19,846	4145	8.4	6.6257	3.4608	21,655	4279	8.9	2.4166	15.1236
19,130	4039	9.6	16.5352	18.0680	19,995	4147	8.6	6.8841	6.6711	21,272	4280	8.3	2.5904	7.0898
18,675	4040	9.3	16.8401	9.8221	20,603	4149	9.6	7.0025	19.9943	21,657	4281	9.1	2.6759	14.8379
19,583	4043	8.0	17.0769	25.3527	20,937	4154	3.5	7.4736	25.7187	22,111	4282	9.6	2.8760	22.6121
19,584	4044	8.9	17.0795	25.2590	20,263	4155	9.1	7.5249	12.7785	21,558	4284	9.3	3.0030	12.7041
18,423	4045	9.5	17.2399	4.8601	20,770	4156	7.8	7.6644	22.6427	21,162	4285	9.2	3.0299	4.3891
19,516	4046	8.5	17.2454	24.5171	19,896	4158	8.3	7.7068	4.7377	21,273	4286	9.8	3.0636	6.9675
19,518	4048	6.8	17.3422	24.5412	20,083	4159	9.4	7.7474	8.9776	21,710	4289	9.0	3.3313	16.0962
18,474	4050	8.8	17.6559	5.2974	20,211	4161	9.8	7.8600	11.8928	21,121	4292	8.3	3.5570	3.9117
18,424	4052	8.8	17.9403	4.5435	20,311	4162	9.5	7.9140	13.8543	22,114	4293	9.7	3.6687	22.6292
18,744	4055	8.7	18.7677	10.6292	20,212	4163	8.7	7.9628	12.0715	21,275	4294	9.0	3.6737	6.7420
19,197	4057	9.6	18.7941	18.7037	20,213	4164	9.6	8.0644	12.1592	21,216	4300	9.1	4.1778	5.6227
18,799	4058	9.8	18.9067	11.5820	19,897	4166	9.5	8.8051	4.3678	21,505	4301	8.6	4.3168	11.5268
18,863	4060	9.5	19.2685	12.4961	20,088	4168	8.7	9.0134	8.7275	21,506	4302	9.5	4.4487	12.2527
19,262	4061	8.6	19.5493	19.5324	20,165	4172	8.5	9.6239	10.7422	21,043	4303	9.8	4.4013	2.1273
18,284	4062	9.4	19.6462	1.9554	19,766	4178	8.2	11.3705	1.7578	21,373	4306	9.8	4.7273	8.3704
18,803	4064	9.0	19.9167	11.5374	19,856	4181	9.3	11.7695	4.1416	21,217	4307	9.5	4.9204	6.2461
18,574	4068	9.1	20.1645	7.8127	20,167	4182	5.9	11.8270	10.7487	21,613	4311	9.7	5.1285	13.9859
18,382	4069	9.2	20.2068	3.5715	20,217	4186	8.9	12.3247	11.5868	21,044	4312	9.6	5.1112	2.1296
18,748	4070	9.4	20.3712	10.8963	19,812	4191	9.3	13.5344	3.0421	21,614	4314	8.5	5.1860	13.5949
18,749	4071	9.4	20.4873	11.2902	19,950	4193	9.0	13.9376	5.6810	21,219	4317	9.3	5.4400	6.0609
19,203	4073	9.5	20.6199	18.6401	20,008	4194	7.8	13.9603	7.1679	21,768	4318	9.7	5.4902	16.6710
18,750	4076	9.2	20.9232	11.3132	20,515	4195	9.5	13.9581	17.8641	21,278	4319	9.0	5.5420	7.2414
19,206	4080	8.2	21.9375	19.3537	20,009	4196	8.9	14.0130	7.1162	21,279	4320	9.6	5.6094	7.2196
18,870	4081	9.3	22.0916	12.6555	20,170	4198	9.8	14.1889	11.0174	21,429	4322	9.5	5.8182	10.1420
18,292	4083	9.5	22.2653	1.8624	20,134	4204	9.2	15.1217	10.2281	21,430	4324	9.4	5.9244	10.1720
19,144	4085	9.2	22.2371	18.3720	20,625	4206	8.8	15.4492	20.4399	21,769	4326	7.7	6.0368	17.3172
19,145	4086	9.6	22.4444	18.4584	20,462	4207	9.7	15.5172	16.5496	21,321	4328	9.5	6.0576	7.6865
19,336	4088	8.4	22.6852	21.2329	19,773	4210	7.7	15.7982	1.8434	21,565	4330	8.3	6.2806	12.5609
18,432	4090	9.0	23.0710	5.2787	20,464	4215	8.7	16.2062	17.3996	21,770	4331	8.3	6.4065	16.8066
18,433	4091	9.7	23.1295	4.9489	20,324	4221	9.3	16.6649	13.8562	21,661	4332	8.4	6.6185	15.0014
19,466	4092	8.8	23.0744	23.4411	19,776	4222	9.7	16.7264	2.0578	21,221	4334	9.6	6.6566	5.6970
18,342	4093	8.1	23.2500	3.2301	20,281	4223	7.7	16.8098	13.2972	21,772	4342	8.4	7.3752	17.2533
18,294	4097	9.2	23.5687	2.1558	20,520	4226	9.6	17.1493	18.5422	21,282	4345	9.7	7.5282	7.2089
18,580	4099	9.0	23.8136	7.9770	20,018	4227	9.4	17.1913	6.4864	21,167	4348	9.2	7.8832	5.2295
18,874	4101	9.7	24.2789	12.7816	20,465	4228	8.5	17.1820	16.8818	22,169	4349	8.7	8.0987	24.3488
18,296	4102	8.5	24.5273	1.9953	20,099	4230	9.1	17.7475	8.6311	21,664	4352	8.9	8.4419	14.9067
18,925	4103	9.7	24.4548	13.7603	20,139	4232	9.0	18.0421	9.9084	21,895	4357	9.1	9.3399	19.2201
18,643	4106	9.6	24.9228	9.2501	20,100	4233	9.7	18.3830	8.9067	21,717	4358	9.5	9.3438	16.2740
R.A. 6^h 52^m					20,864	4236	9.7	19.4717	24.5883	21,990	4361	2.8	9.8400	21.2495
20,760	4092	8.8	1.1225	23.4539	20,374	4237	9.4	19.6319	15.0390	21,378	4363	8.3	9.9498	9.0460
19,838	4093	8.1	1.0224	3.2415	19,968	4238	9.4	19.7215	5.8163	21,224	4365	8.5	10.1970	6.0301
19,794	4097	9.2	1.3264	2.1631	20,743	4239	7.3	19.6704	21.9576	21,287	4366	9.2	10.2230	6.8865
20,037	4099	9.0	1.6508	7.9805	19,970	4241	9.0	19.9569	5.8119	21,515	4367	8.9	10.3513	11.8912
20,253	4101	9.7	2.1815	12.7784	20,291	4251	9.5	21.1425	12.5007	21,946	4369	9.1	10.5186	20.3702
19,748	4102	8.5	2.2829	1.9900	20,105	4255	8.5	21.6668	9.1708	21,225	4371	8.4	10.7018	6.0820
20,306	4103	9.7	2.3708	13.7546	20,428	4260	9.5	22.1280	16.4048	21,897	4373	8.5	10.8326	19.1014
20,076	4106	9.6	2.7771	9.2387	20,295	4261	8.3	22.2990	12.6167	21,574	4376	9.6	11.0202	13.2073
20,872	4108	9.4	3.0078	25.1023	19,829	4264	9.1	23.0232	2.3072	21,840	4378	9.0	11.0381	18.0886
20,547	4110	8.7	3.1000	18.9379	20,750	4266	9.5	23.0475	22.1015	21,479	4380	9.0	11.4928	10.6937
					20,820	4268	9.3	23.3725	22.8864					

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 7 ^h 0 ^m (continued)					R.A. 7 ^h 8 ^m (continued)					R.A. 7 ^h 8 ^m (continued)				
22,241	4384	9.2	11.7996	25.2984	22,489	4523	9.3	5.9689	2.3254	22,554	4661	9.2	22.5498	4.0014
21,086	4389	8.7	12.3072	2.9667	22,854	4524	8.5	6.1098	11.1758	23,319	4664	6.6	22.8876	19.8062
21,575	4391	9.5	12.5075	13.0538	23,410	4525	8.6	6.2622	22.3702	22,700	4665	9.8	23.0673	6.4758
22,132	4392	8.9	12.7260	23.0047	22,770	4526	9.5	6.2533	8.7674	23,557	4668	9.6	23.6429	24.6249
21,622	4396	9.2	12.9917	13.8640	22,976	4531	8.9	6.5223	13.6116	22,511	4669	9.3	23.8365	2.6525
21,623	4398	9.1	13.0842	14.0260	23,457	4533	9.7	6.8440	23.3544	23,126	4670	9.8	23.8329	16.3202
21,334	4400	8.8	13.1893	8.2242	22,534	4538	9.6	7.4451	3.8404	22,702	4671	9.6	23.9509	6.3728
21,171	4401	9.8	13.2443	4.5273	22,816	4539	9.6	7.4982	9.7829	22,796	4673	8.9	24.2601	9.1147
21,335	4403	9.6	13.2917	8.3229	22,936	4541	9.9	7.8077	13.2570	22,474	4675	9.4	24.5912	2.1370
22,311	4404	9.3	13.4352	25.6885	23,150	4543	9.5	8.1669	16.7273	22,475	4677	9.0	24.8076	2.0891
21,173	4406	9.5	13.7702	4.8825	22,937	4544	9.2	8.2501	12.6710	23,500	4679	9.5	24.8776	23.2527
21,233	4407	10.0	14.1309	5.6041	22,585	4547	9.3	8.4706	5.0511	R.A. 7 ^h 16 ^m				
21,436	4408	9.6	14.1290	9.6257	22,628	4553	8.8	9.1749	5.4358	24,368	4668	9.6	1.7072	24.6296
21,438	4409	9.4	14.9251	9.6162	23,530	4555	9.1	9.6021	24.1747	23,740	4669	9.3	1.6010	2.6563
22,071	4412	9.3	15.4265	22.4406	22,631	4561	8.8	10.1275	5.4162	24,091	4670	9.8	1.7839	16.3230
21,526	4414	9.3	15.6929	11.9195	22,860	4562	9.2	10.1731	10.8528	23,834	4671	9.6	1.7661	6.3747
21,349	4422	9.7	16.5617	7.4267	23,198	4564	9.6	10.3054	18.0564	23,918	4673	8.9	2.1128	9.1123
21,626	4423	8.8	16.6601	13.7510	23,199	4565	8.8	10.3261	17.5673	23,743	4675	9.4	2.3487	2.1309
21,350	4424	10.0	16.7643	7.4939	22,545	4569	9.5	10.7838	3.8233	23,744	4677	9.0	2.5643	2.0803
21,181	4427	9.5	16.8385	4.6437	22,633	4570	9.0	10.9202	6.2594	24,293	4679	9.5	2.9230	23.2400
22,322	4435	9.4	17.6433	25.9798	22,546	4571	9.8	11.0467	3.3983	24,041	4680	6.4	3.0644	14.6826
21,529	4436	9.1	17.7389	12.0419	23,246	4572	8.8	11.1236	18.9836	24,220	4681	8.1	3.1415	20.8230
21,186	4437	9.2	18.1721	4.7009	23,471	4573	9.0	11.2862	22.6495	23,868	4682	9.6	3.0783	7.6163
21,445	4439	9.6	18.2566	9.7571	23,534	4574	9.6	11.3157	24.6272	24,294	4683	9.4	3.1876	23.1233
21,675	4440	9.0	18.3680	15.5233	22,502	4576	9.7	11.4939	2.4079	24,043	4684	7.4	3.1446	14.6418
21,732	4444	8.5	19.0016	16.2839	22,990	4578	9.8	11.7968	13.5351	23,899	4685	8.4	3.1505	8.6341
21,531	4445	8.4	19.1198	12.2415	23,354	4580	9.0	12.1275	20.9440	24,295	4686	8.8	3.3453	22.7245
21,958	4446	9.2	19.3710	20.2264	22,637	4583	9.8	12.7706	5.3784	24,336	4688	8.7	3.7696	24.0204
21,490	4448	9.3	19.4195	11.1056	23,205	4584	9.2	12.8656	17.9928	24,296	4693	9.4	4.6167	22.4234
21,633	4455	9.1	20.1842	13.7732	22,862	4586	8.4	12.8981	10.7860	24,224	} 4695	9.3	4.6882	21.1146
21,066	4465	8.8	21.2357	1.6122	23,358	4587	9.1	13.1195	20.7953	24,225				
22,024	4468	6.5	21.7842	21.2400	22,863	4589	8.6	13.4857	10.9418	23,840	4697	9.4	4.7082	6.7065
21,494	4469	9.6	21.8639	10.8560	23,359	4591	9.2	13.9075	21.3110	24,411	4698	9.3	4.8865	25.8988
21,454	4471	9.8	21.9471	9.7214	22,825	4593	8.8	14.2312	9.9027	24,259	4699	9.5	4.9762	21.4482
21,407	4472	9.2	22.0336	9.1030	23,476	4594	9.4	14.5185	23.0622	23,968	4700	9.2	4.9496	11.7611
22,149	4474	9.3	22.0646	22.7752	22,784	4595	9.2	14.7115	9.2596	24,412	4702	9.4	5.1747	25.9184
21,149	4479	8.9	22.6075	4.1153	23,365	4598	9.0	15.2750	21.2000	23,873	4707	8.8	5.4519	7.3348
21,070	4483	9.0	23.3227	1.9145	22,828	4599	9.1	15.3597	9.5070	23,903	4708	9.0	5.5142	8.8180
21,200	4490	9.1	24.1413	4.4206	23,665	4601	7.4	15.4307	25.7114	23,785	4709	9.6	5.5297	4.4543
21,752	4491	8.6	24.1564	16.3160	22,551	4602	9.6	15.8162	3.4860	23,986	4712	8.7	5.9912	13.0505
21,416	4493	8.9	24.3885	8.8426	23,601	4603	8.5	16.0892	25.2594	23,987	4715	8.8	6.3800	13.1378
21,157	4494	9.0	24.4444	4.0332	22,685	4604	6.5	16.2143	7.0353	23,845	4717	9.6	6.5702	6.7505
22,216	4496	8.4	24.7394	24.0661	22,904	4607	9.1	16.6720	11.5562	23,729	4721	8.8	6.8937	1.7090
22,099	4497	9.7	24.8619	21.9015	22,686	4609	9.3	16.8074	6.4574	23,749	4722	7.6	7.2886	2.9030
21,599	4499	9.0	24.9543	13.0434	22,552	4611	9.2	16.9086	4.1383	23,990	4723	9.5	7.4552	12.1858
R.A. 7 ^h 8 ^m					22,832	4614	9.2	17.3081	9.8436	24,125	4727	8.4	8.1600	17.5120
22,442	4483	9.0	1.0772	1.9253	22,833	4616	7.0	17.3654	9.8171	23,971	4728	9.2	8.5197	12.1235
22,563	4490	9.1	1.9299	4.4201	23,113	4617	9.3	17.7298	15.9230	23,992	4729	9.0	8.5966	12.4530
23,069	4491	8.6	2.1073	16.3140	23,546	4618	9.3	17.9045	24.2000	23,905	4730	9.3	8.6201	8.5265
22,762	4493	8.9	2.2374	8.8385	22,690	4621	9.0	18.0762	19.1423	24,379	4737	9.3	9.3469	25.3267
22,523	4494	9.0	2.2278	4.0287	22,691	4626	9.3	18.1542	7.2716	24,182	4742	8.2	9.6104	20.1029
23,509	4496	8.4	2.7959	24.0552	22,836	4628	8.2	18.4593	7.0661	23,772	4747	9.5	10.2364	3.6097
23,400	4497	9.7	2.8889	21.8892	22,648	4631	9.0	19.3284	10.2412	23,788	4749	9.6	10.4044	4.4795
22,925	4499	9.0	2.8604	13.0310	23,427	4634	9.1	19.5649	5.5466	24,309	4754	9.3	11.4549	23.0785
22,658	4500	9.6	2.9295	6.5653	23,170	4635	8.0	19.8176	22.2971	23,928	4756	9.4	11.7879	9.6287
22,888	4501	9.1	3.2807	11.9477	23,430	4637	9.4	19.8786	16.8062	24,351	4759	9.0	12.0937	23.5831
22,616	4503	9.2	3.3898	5.6131	22,744	4641	8.1	20.3320	21.8341	24,073	4760	9.1	12.1919	15.9602
23,277	4504	8.4	3.5363	20.4129	23,614	4642	9.6	20.8508	8.2526	23,819	4763	9.6	12.4684	5.8632
22,710	4505	9.1	3.6819	7.5244	23,121	4643	9.6	20.8983	25.3620	24,354	4765	9.1	12.7595	23.7976
23,514	4507	7.3	3.8099	23.6350	22,793	4644	9.5	20.9479	16.4058	23,929	4766	9.1	12.8118	9.4580
22,445	4508	9.6	3.7104	1.5062	22,878	4648	9.4	21.0255	8.6895	23,995	4767	9.6	12.9751	12.8927
23,026	4510	9.2	3.9820	15.4454	23,172	4649	9.1	21.1116	10.7556	23,852	4774	9.3	13.9858	6.2621
22,715	4514	8.9	4.9302	8.3244	23,378	4651	9.3	21.1599	17.2629	23,885	4776	9.2	14.1174	7.7313
22,573	4515	9.0	4.9831	5.0065	22,795	4653	9.0	21.6431	20.9009	24,424	4782	9.5	14.7140	25.9692
23,579	4520	9.4	5.7566	25.4477	22,509	4659	9.1	21.9015	9.0237	23,908	4783	6.5	14.7838	8.9545
2														

Reference No.				Mag.	Standard co-ordinates, 1900.0.		Reference No.				Mag.	Standard co-ordinates, 1900.0.		Reference No.				Mag.	Standard co-ordinates, 1900.0.				
Hyd.		Cordoba.			ξ.	η.	Hyd.		Cordoba.			ξ.	η.	Hyd.		Cordoba.			ξ.	η.			
R.A. 7 ^h 16 ^m (continued)						R.A. 7 ^h 24 ^m (continued)						R.A. 7 ^h 24 ^m (continued)						R.A. 7 ^h 32 ^m					
23,931	4785	9.6	15.0870	9.2947	25,585	4896	9.1	3.7052	19.7399	25,545	5021	8.6	17.2806	18.8172	26,742	5076	8.4	1.1396	9.5091				
24,129	4787	9.2	15.3128	17.7800	24,911	4900	8.8	3.7581	9.2359	25,815	5023	9.1	17.3201	22.5583	26,583	5078	9.6	1.4156	7.8348				
24,130	4794	8.6	15.7436	18.1325	25,936	4903	8.6	4.2260	23.7764	25,049	5026	6.4	17.4494	10.8044	27,628	5080	9.2	1.5673	24.1831				
23,948	4796	9.5	15.7857	10.2024	25,671	4904	9.1	4.2192	20.6895	24,887	5027	9.1	17.4785	7.7769	26,271	5081	9.7	1.5907	3.0966				
23,822	4797	9.6	15.9377	5.6807	24,691	4906	9.7	4.7826	5.0531	24,722	5028	8.8	17.6522	5.3009	26,332	5082	9.2	1.6017	4.2092				
23,794	4798	9.6	16.2523	4.4074	25,365	4908	9.5	4.9277	17.2428	25,626	5030	8.5	17.7807	20.1492	27,690	5084	9.2	1.8937	25.2378				
23,777	4799	9.5	16.3203	3.0526	25,859	4910	9.2	5.3730	22.8540	24,726	5032	9.2	18.1295	4.5567	26,584	5085	9.6	1.7973	7.9449				
24,235	4800	9.5	16.8549	20.4037	24,914	4916	9.1	6.1318	8.9510	25,326	5036	8.7	18.4691	16.4624	26,665	5088	8.5	2.1639	8.4773				
24,236	4802	9.8	17.0974	20.3553	24,581	4920	9.4	6.2477	2.7427	25,629	5037	9.2	18.6014	20.0261	27,567	5092	9.0	2.5680	22.9639				
24,425	4803	7.7	17.1226	25.5222	24,634	4921	9.7	6.2835	4.2412	25,204	5038	8.7	18.6340	13.9551	27,568	5094	9.0	2.6435	22.8854				
23,855	4804	9.5	17.1990	6.7434	25,516	4922	9.1	6.5354	18.8171	24,611	5039	9.7	18.6797	2.4197	26,517	5096	9.7	2.9686	6.6104				
24,131	4807	9.8	17.5575	17.4158	25,446	4924	9.1	6.7655	17.9481	24,661	5040	9.5	18.7579	4.1615	26,587	5097	8.9	3.0736	8.0509				
24,195	4808	8.8	17.6095	20.2527	24,865	4927	9.6	7.0531	7.9073	25,052	5042	9.5	19.0187	10.8260	26,747	5100	9.0	3.2472	9.8969				
24,100	4810	9.0	17.8510	17.1857	25,448	4928	9.9	7.1148	18.3751	26,128	5043	9.2	19.0173	25.8453	26,520	5101	9.7	3.3256	6.6493				
24,196	4811	9.4	17.9397	20.0177	25,947	4929	9.0	7.1428	24.4034	24,993	5044	9.3	19.0947	9.9843	27,570	5103	9.5	3.8454	22.8722				
24,317	4813	9.0	18.4225	23.2122	25,241	4932	9.4	7.3759	14.9486	24,939	5047	8.8	19.5743	9.1651	26,213	5104	8.4	3.7511	1.8846				
23,889	4814	9.4	18.4858	7.4352	25,369	4934	9.8	7.6316	17.4744	26,068	5048	9.3	19.5517	25.2529	26,588	5105	9.7	3.9530	7.7773				
24,391	4815	9.3	18.4654	25.1041	24,585	4936	9.7	7.7604	3.1208	25,406	5051	8.7	20.0670	16.7797	27,492	5106	9.5	3.9954	8.4217				
24,199	4818	9.3	18.9199	19.6583	25,757	4937	9.7	7.8557	22.5218	24,613	5052	9.2	20.2640	3.2056	26,751	5108	9.2	4.4582	9.5149				
23,952	4819	9.5	19.1890	11.0264	25,596	4939	9.2	8.0081	20.1591	26,073	5053	9.3	20.1819	24.8868	26,217	5111	8.5	4.6131	1.9605				
23,953	4821	9.3	19.2790	10.8623	25,524	4940	9.0	8.1491	19.5176	24,560	5055	9.2	20.5032	1.6386	27,494	5112	9.3	5.0336	22.5097				
24,001	4822	9.0	19.4055	12.4213	25,370	4942	9.5	8.2608	17.1184	25,636	5056	9.4	20.5037	20.1604	26,994	5114	9.1	5.2827	13.5111				
23,780	4823	9.2	19.5407	3.7429	24,643	4944	9.2	8.4717	3.6198	25,640	5060	9.0	21.3102	20.5160	27,115	5116	9.0	5.4445	16.0332				
23,857	4824	9.1	19.5527	7.0828	25,081	4946	8.0	8.5942	11.5843	24,946	5061	9.4	21.6823	8.6041									
23,891	4825	9.3	19.6925	7.7011	25,373	4947	8.8	8.7044	16.9718	25,269	5062	9.1	21.6582	15.6114									
23,858	4827	9.2	19.7550	6.5578	25,527	4948	6.8	8.7817	19.1481	25,108	5063	8.8	21.9825	11.7415									
24,102	4828	9.5	19.8105	16.5323	24,977	4951	9.2	9.0752	10.4417	25,271	5064	9.1	22.0241	14.8547									
24,104	4829	9.2	19.9977	17.1001	24,917	4953	9.7	9.1023	9.4338	24,948	5068	9.5	22.8502	8.8171									
24,430	4832	9.4	20.1545	25.8028	25,085	4954	6.6	9.5525	11.6204	25,490	5069	9.5	22.8146	17.9531									
24,135	4834	8.5	20.3060	17.8701	25,029	4955	9.4	9.5806	10.9629	24,737	5071	9.1	22.9464	5.0952									
23,755	4836	9.5	20.6706	2.6906	26,105	4956	9.2	9.6652	25.9522	24,949	5076	8.4	23.2816	9.4983									
23,860	4837	9.7	20.7245	6.1716	24,812	4958	9.2	9.7911	7.4037	24,896	5078	9.6	23.5804	7.8280									
23,756	4846	8.8	21.1771	2.4789	25,695	4961	9.2	10.1542	21.0586	26,010	5080	9.2	23.5091	24.1766									
24,320	4847	9.0	21.1525	22.8860	25,952	4962	9.4	10.2060	24.7627	24,617	5081	9.7	23.8201	3.0927									
24,163	4848	9.2	21.1780	18.9486	24,538	4963	9.7	10.4200	2.3521	24,673	5082	9.2	23.8160	4.2053									
24,398	4849	8.6	21.3630	24.6553	25,769	4964	9.2	10.4845	21.7374	26,083	5084	9.2	23.8211	25.2359									
23,737	4850	9.8	21.6836	1.9430	25,303	4965	9.2	10.5537	16.3526	24,897	5085	9.6	23.9606	7.9432									
23,861	4851	9.2	21.6640	6.7547	25,775	4966	9.1	10.7736	21.8763	24,899	5088	8.5	24.3199	8.4804									
23,826	4852	9.8	21.7968	6.0460	25,608	4967	9.2	11.0111	20.0023	25,922	5092	9.0	24.5264	22.9717									
24,286	4853	8.7	21.9149	21.8655	24,816	4968	9.6	11.0197	7.4564	25,923	5094	9.0	24.6030	22.8942									
23,801	4854	8.7	22.1966	4.9072	26,044	4969	9.7	11.1460	25.7045														
23,934	4856	8.8	22.2789	9.5274	24,925	4971	6.9	11.5142	8.8709														
23,957	4857	9.1	22.4103	10.3370	25,787	4973	9.0	11.8306	22.6340														
23,958	4859	9.5	22.4368	10.9406	25,036	4976	9.2	12.0734	11.1360														
24,164	4861	9.3	22.4160	18.6889	24,593	4978	9.2	12.1424	3.1962														
23,911	4864	9.0	22.6344	9.0978	25,308	4979	8.2	12.1742	16.4259														
24,165	4866	9.2	22.8734	18.3976	26,046	4982	9.5	12.6456	25.6201														
24,061	4867	9.5	22.9239	14.8650	25,390	4983	8.5	12.6483	16.7890														
24,287	4869	8.8	23.1926	21.9007	25,964	4985	9.0	12.8999	24.1772														
24,111	4870	9.6	23.3326	17.1895	24,873	4986	9.2	12.9040	7.6482														
23,759	4878	7.7	23.9455	3.0420	24,773	4987	9.6	13.0393	5.5994														
24,034	4879	9.4	23.9322	13.3886	25,469	4988	9.0	13.1078	17.6544														
24,062	4881	9.1	24.0639	14.9911	24,713	4989	9.5	13.2026	4.9519														
23,935	4883	6.8	24.1905	9.6461	25,967	4993	8.6	13.3404	24.5794														
23,863	4884	9.6	24.2196	6.2883	25,968	4994	8.6	13.3611	24.0176														
24,400	4887	9.5	24.5938	25.2448	25,253	4996	8.1	13.7232	14.6405														
R.A. 7 ^h 24 ^m				24,827	4997	9.7	14.1163	7.4176	26,747	5100	9.0	3.2472	9.8969										
25,739	4869	8.8	1.2197	21.9117	25,539	4999	9.4	14.3288	19.1266	26,520	5101	9.7	3.3256	6.6493									
25,354	4870	9.6	1.2954	17.1990	24,929	5001	9.7	14.4566	8.9730	27,570													

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 7 ^h 32 ^m (continued)					R.A. 7 ^h 32 ^m (continued)					R.A. 7 ^h 40 ^m (continued)				
27,431	5121	8.7	6.3976	21.1404	27,672	5247	9.3	20.1762	24.5300	28,870	5348	9.3	8.0123	20.4785
26,758	5123	9.4	6.5834	10.3108	26,569	5251	9.3	20.8650	7.0447	27,947	5353	9.2	8.1950	3.0535
26,224	5125	5.3	6.8067	1.9723	26,713	5252	9.1	20.8698	8.5426	28,268	5354	9.5	8.4455	8.4730
27,299	5126	8.7	6.9262	18.8301	26,570	5253	9.3	20.9289	6.6380	28,315	5355	9.6	8.5403	9.5732
27,181	5127	8.6	6.9335	16.8709	26,641	5254	9.8	21.0800	8.2813	28,551	5356	9.4	8.5587	15.4103
26,534	5128	9.1	6.9216	6.5519	26,642	5255	9.2	21.2237	7.9780	28,159	5357	9.7	8.5936	7.0926
27,117	5130	7.1	7.7221	16.0767	27,538	5257	9.0	21.4311	22.3818	28,161	5361	9.0	9.0896	7.0482
27,118	5131	6.8	7.7529	16.0869	27,088	5258	9.1	21.6884	14.5107	29,101	5363	9.6	9.2911	21.7372
26,947	5135	9.6	8.2546	12.4800	27,729	5261	8.2	21.9810	25.0314	28,717	5364	9.1	9.3231	18.4844
26,459	5136	9.2	8.3819	6.2482	26,648	5265	9.6	22.4791	8.2701	28,097	5367	9.0	9.3536	6.3358
26,948	5138	8.9	8.6585	12.8861	26,649	5267	9.5	22.6017	8.0758	28,046	5369	9.7	9.7134	5.0882
26,998	5139	9.0	8.6665	13.4458	26,506	5269	9.3	22.7643	6.1371	28,047	5371	9.6	9.8964	4.7252
26,595	5140	8.5	8.8313	7.7571	26,856	5270	9.4	22.7866	10.6516	28,450	5374	8.8	10.1191	12.6412
26,543	5143	8.6	9.2951	6.7953	27,476	5271	8.3	22.8537	20.6379	29,283	5375	9.3	10.1714	24.3103
26,893	5144	9.2	9.4205	11.9187	27,542	5272	8.8	22.9357	22.3543	27,948	5377	9.4	10.1613	2.7674
27,370	5146	9.3	9.7889	19.7758	26,441	5273	9.6	23.1142	4.4360	28,407	5378	9.1	10.1948	11.6931
26,413	5147	8.9	9.9236	5.1981	27,034	5274	8.1	23.0933	13.6564	28,554	5380	9.6	10.2424	14.7887
27,247	5151	9.2	10.4118	17.7661	27,543	5275	8.8	23.0403	22.1607	28,451	5381	10.0	10.2772	12.7836
26,239	5154	9.6	11.0194	1.8859	27,092	5276	8.2	23.1600	14.6152	27,888	5383	7.5	10.2943	1.7272
26,685	5156	8.9	11.2590	8.4198	27,035	5279	9.2	23.4631	14.3299	28,452	5384	9.3	10.6186	12.6538
26,416	5157	9.2	11.2623	4.6155	26,443	5282	9.4	23.7367	4.3601	29,104	5386	9.3	10.7903	22.3997
27,189	5161	9.1	11.5255	17.1651	27,781	5285	9.7	24.0647	25.6987	27,995	5387	9.3	10.7789	3.5779
27,510	5162	9.7	11.5488	21.7084	26,979	5286	9.5	24.2446	12.9452	28,279	5389	9.4	11.2305	8.9635
27,447	5163	9.6	11.6624	21.2260	27,038	5288	9.6	24.3517	14.2926	28,052	5391	9.2	11.3409	4.5177
27,190	5166	9.0	11.8960	16.5904	26,261	5289	9.5	24.4957	1.4878	29,377	5393	9.3	11.5641	25.4304
27,191	5167	8.0	12.0882	16.9250	26,262	5294	9.2	24.8828	2.0119	28,726	5398	9.0	11.9170	18.4782
27,512	5169	9.6	12.2076	21.7526	26,325	5295	8.9	24.9876	3.0059	28,280	5399	9.5	11.9347	9.0711
26,246	5170	8.3	12.3206	1.8612	R.A. 7 ^h 40 ^m					28,514	5400	9.5	12.2088	13.9742
27,008	5171	9.5	12.5234	13.6494	28,535	5276	8.2	1.0878	14.6273	29,293	5401	9.2	12.3386	24.0453
27,120	5173	8.6	12.8958	16.0940	28,493	5279	9.2	1.3869	14.3378	29,381	5402	9.1	12.4056	24.8370
27,452	5174	8.9	12.9176	21.0784	28,036	5282	9.4	1.5246	4.3648	28,209	5403	9.2	12.4274	7.6627
27,376	5176	8.2	13.0678	20.3936	28,036	5282	9.4	1.5246	4.3648	27,999	5404	9.6	12.6435	3.3460
26,826	5177	9.4	13.1908	11.0467	29,428	5285	9.7	2.1435	25.6974	29,003	5414	8.3	13.1992	20.8004
26,420	5179	9.3	13.3450	5.2854	28,442	5286	9.5	2.1495	12.9427	28,889	5417	8.9	13.4728	20.2643
27,656	5180	9.4	13.3021	23.6711	28,442	5286	9.5	2.1495	12.9427	29,008	5419	8.5	13.5116	20.7024
26,956	5182	9.4	13.5575	12.7151	28,495	5288	9.6	2.2748	14.2883	28,891	5420	9.4	13.5242	20.0930
26,957	5183	9.7	13.5957	12.5351	27,869	5289	9.5	2.2443	1.4830	28,413	5421	9.3	13.5323	12.1288
26,424	5186	9.8	13.9624	5.1740	27,870	5294	9.2	2.6384	2.0022	27,897	5422	9.1	13.5726	2.2870
27,010	5187	8.8	13.9715	13.9936	27,932	5295	8.9	2.7568	2.0943	28,210	5423	9.3	13.5725	7.9550
27,659	5190	8.5	14.4275	23.6232	28,592	5296	9.2	2.9233	15.5888	29,297	5425	9.7	13.9568	24.6664
26,478	5194	9.5	15.0660	5.4550	28,140	5298	9.7	3.0812	6.7256	28,211	5426	9.0	13.9952	8.3423
27,768	5195	8.0	15.0492	25.8829	29,177	5300	8.5	3.6168	23.2943	28,213	5428	9.8	14.1387	7.6106
27,522	5196	8.3	15.1158	22.4720	29,088	5302	9.6	3.6848	21.9990	29,388	5432	8.4	14.3473	24.9711
27,382	5202	6.3	15.8983	19.6145	27,985	5303	8.8	3.5983	3.2880	28,927	5433	9.3	14.4997	20.1509
26,621	5203	9.4	15.9808	7.8759	29,351	5304	8.1	3.7509	25.5281	29,021	5434	9.2	14.5727	21.4702
27,072	5205	9.2	16.1091	15.1427	29,179	5305	8.8	3.7568	23.3808	27,955	5435	9.4	14.6080	3.3102
26,701	5207	9.3	16.5710	9.0696	29,089	5306	9.5	3.8137	21.8033	28,932	5437	9.2	14.6523	20.5964
26,485	5210	9.3	16.8803	5.9006	29,090	5308	9.6	3.8765	21.6688	29,032	5438	9.4	14.8107	20.7529
26,902	5211	9.2	16.9182	11.6570	28,142	5311	9.5	4.1664	6.6632	29,215	5439	9.4	14.8618	22.8990
26,487	5215	9.7	17.0610	5.5457	28,093	5313	9.5	4.3278	5.9904	28,216	5441	9.6	15.0533	8.1995
27,134	5217	9.6	17.1153	16.0120	29,266	5317	9.0	4.8264	24.2288	27,956	5442	9.7	15.0686	2.3182
26,923	5218	9.8	17.1697	11.6540	28,646	5318	9.6	4.8879	17.2763	28,114	5444	9.0	15.3569	5.7626
26,488	5219	8.5	17.2097	5.8153	27,935	5319	6.6	4.9379	2.2587	28,417	5446	9.0	15.3597	12.4017
27,664	5220	9.2	17.6100	23.7473	27,988	5320	9.6	4.9828	4.0940	29,302	5447	9.4	15.5088	23.6748
26,313	5224	9.4	18.1103	3.1498	28,546	5327	9.0	5.9125	14.9493	28,609	5449	9.4	15.6321	15.5818
27,529	5225	8.8	18.0632	18.7523	27,938	5329	8.1	5.9781	3.0691	28,061	5451	8.8	15.7014	5.1125
26,188	5229	9.1	18.7495	1.1419	28,650	5330	9.0	6.1140	17.2349	28,170	5452	9.4	15.9049	6.9293
27,393	5230	9.9	18.7061	20.3528	28,203	5331	9.5	6.1379	8.3211	27,907	5453	8.6	16.1104	1.9235
27,669	5234	9.5	19.0088	23.7252	28,264	5333	9.1	6.4797	8.3819	28,948	5454	9.4	16.4694	19.8334
27,331	5235	9.3	19.0616	19.1547	28,710	5334	8.1	6.5811	17.6347	28,375	5457	9.6	17.1678	11.3156
27,395	5237	9.1	19.3402	20.3677	28,094	5335	9.6	6.6495	5.8717	28,329	5459	8.5	17.4105	10.3663
26,375	5238	8.6	19.5991	3.2888	27,942	5337	9.6	6.7573	2.5213	29,401	5460	7.8	17.4986	25.1570
27,396	5239	8.9	19.5477	20.2762	28,150	5339	9.5	7.0779	6.4766	28,120	5462	8.2	17.8327	5.5510
27,721	5240	9.7	19.5689	25.0772	29,189	5341	8.5	7.2088	23.5670	28,465	5463	8.4	17.8487	13.2043
27,724	5													

Reference No.		Mag.	Standard co-ordinates, 1900.0.		Reference No.		Mag.	Standard co-ordinates, 1900.0.		Reference No.		Mag.	Standard co-ordinates, 1900.0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 7^h 40^m (continued)					R.A. 7^h 48^m (continued)					R.A. 7^h 56^m				
28,689	5471	8.3	18.9337	17.2761	30,358	5588	9.3	9.9506	12.3795	32,725	5702	9.7	1.1634	24.9666
28,377	5472	9.6	19.1363	10.6745	29,637	5589	9.6	10.0005	1.7466	32,598	5703	8.5	1.1639	23.1637
29,319	5474	8.5	19.3703	23.8893	30,225	5591	8.4	10.0836	10.3359	31,719	5704	9.5	1.0748	4.2561
28,331	5476	9.2	19.6756	9.4507	29,788	5593	9.1	10.2513	4.2194	31,953	5705	8.9	1.2608	9.9347
28,332	5477	9.5	19.7087	9.9170	30,422	5594	9.0	10.3543	12.6458	31,755	5706	8.6	1.5848	4.4977
28,750	5479	9.0	19.7050	17.9269	30,153	5595	9.4	10.5424	8.8291	31,721	5707	9.5	1.7279	3.8463
28,425	5481	8.4	19.9901	12.4641	30,284	5597	9.0	11.1802	10.6110	31,906	5714	9.9	2.4530	8.7757
28,067	5482	9.4	20.1356	5.0268	29,865	5600	9.6	11.4010	4.5097	31,956	5715	8.2	2.5091	9.8888
28,378	5483	9.4	20.4951	10.7972	30,303	5602	9.7	11.6519	11.8616	32,481	5716	9.2	2.9293	20.7336
27,965	5487	9.6	20.8271	3.3051	30,230	5603	9.6	11.6519	9.6246	31,826	5717	9.2	2.8746	6.8740
28,022	5489	9.6	20.8411	3.6544	30,949	5609	9.2	12.3239	20.5774	32,238	5718	9.3	3.0087	15.8555
28,571	5490	8.6	20.8076	14.6353	31,404	5610	9.4	12.7666	25.5574	31,910	5725	4.8	3.4731	8.3856
28,024	5492	6.6	21.0856	4.3007	29,873	5611	9.4	12.9456	4.5469	31,804	5728	8.8	3.7394	7.7248
29,327	5495	9.2	21.8572	24.5391	30,432	5613	9.6	13.4132	13.4630	31,912	5730	9.2	4.1611	8.4153
28,072	5497	9.5	22.2185	5.3763	30,783	5616	9.0	13.5330	18.5269	31,723	5731	8.5	4.3644	3.3795
28,383	5500	9.3	22.9124	10.6540	29,948	5618	9.0	13.8518	6.1613	32,093	5732	9.5	4.6020	12.5054
28,384	5501	9.4	22.9266	11.3565	30,870	5619	9.7	13.8754	18.8934	32,010	5736	9.4	4.9857	10.7797
29,330	5502	9.2	23.0183	24.2986	31,406	5620	9.5	14.0567	25.6841	31,830	5737	9.5	5.0873	7.3167
28,075	5504	9.5	23.3410	5.1663	29,731	5623	9.7	14.5335	2.8381	31,870	5739	9.8	5.3050	8.3091
29,419	5505	9.0	23.3053	25.1756	29,653	5626	9.4	15.0640	2.2747	31,832	5742	9.2	5.8674	6.4418
27,921	5506	8.6	23.4921	2.2343	30,018	5628	9.5	15.2083	6.8986	32,741	5743	9.4	6.1642	25.3623
28,844	5508	8.8	23.5935	19.2690	30,375	5629	9.1	15.3706	11.5638	31,835	5746	9.1	6.7858	6.7144
28,385	5509	9.8	23.6520	11.2668	30,294	5632	9.5	15.6498	10.9865	31,962	5751	9.2	7.0868	9.4283
28,845	5512	9.0	23.9096	18.8397	30,494	5634	9.6	16.1014	13.7266	31,963	5754	8.6	7.3645	9.6819
28,028	5513	9.5	24.0451	4.0640	31,306	5635	8.8	16.0897	24.0393	32,286	5756	9.2	7.7225	16.9105
28,135	5519	8.9	24.7334	6.0731	30,497	5638	7.8	16.7708	13.6447	32,613	5758	9.1	7.7783	22.9105
28,298	5523	9.4	24.8153	8.9913	30,382	5639	7.6	16.8314	12.1298	31,966	5759	9.5	7.8238	10.0991
29,422	5524	9.3	24.7946	25.2050	30,168	5640	9.6	16.8985	8.9428	32,332	5761	9.6	7.9573	17.9771
R.A. 7^h 48^m					31,414	5641	8.7	16.8631	24.9951	32,061	5763	9.2	8.2375	12.1397
29,834	5504	9.5	1.1398	5.1754	30,717	5643	9.0	17.1746	16.7038	31,968	5768	9.6	8.9862	9.8989
31,360	5505	9.0	1.3771	25.1849	30,301	5646	9.4	17.5247	10.5809	31,656	5771	9.5	9.1089	2.1482
29,612	5506	8.6	1.2510	2.2426	30,097	5648	9.8	17.6805	8.3186	31,919	5772	9.2	9.1299	9.2295
30,826	5508	8.8	1.5847	19.2746	29,806	5649	9.2	18.0592	4.1138	32,208	5773	9.4	9.3496	14.7851
30,270	5509	9.8	1.5341	11.2723	30,240	5651	9.7	18.0846	10.0365	32,751	5774	9.3	9.6016	25.2627
30,827	5512	9.0	1.8949	18.8411	30,878	5652	8.9	18.2102	18.9820	32,105	5776	6.2	9.7060	13.4627
29,772	5513	9.5	1.8289	4.0649	30,447	5656	9.6	18.6228	13.1940	31,877	5778	9.4	10.1698	8.2037
29,924	5519	8.9	2.5445	6.0646	29,668	5657	9.4	18.7162	1.7901	32,504	5780	8.3	10.4099	21.1215
30,128	5523	9.4	2.6662	8.9814	30,881	5658	9.2	18.6625	19.4534	32,619	5781	9.4	10.4998	23.3341
31,364	5524	9.3	2.8665	25.1934	31,424	5660	9.0	18.9147	25.5299	31,878	5782	9.2	10.4948	8.1865
30,544	5527	9.1	3.0353	15.4149	30,884	5664	9.4	19.2501	19.4843	32,336	5783	9.6	10.6718	18.2938
29,992	5531	9.0	3.3225	7.0521	31,432	5670	8.2	20.0352	25.5288	31,699	5785	9.7	11.0454	3.0992
30,341	5537	9.4	4.3080	12.3055	30,105	5673	9.3	20.4908	8.3290	31,880	5789	9.1	11.6632	8.2601
29,700	5540	9.5	4.4394	3.1307	30,588	5674	8.2	20.5445	15.4424	31,972	5790	9.5	11.8994	10.0601
30,838	5541	8.7	4.9138	19.6002	30,247	5675	10.0	20.6811	10.2699	32,158	5792	8.1	12.3551	13.9264
29,851	5542	8.4	4.8621	4.7717	31,060	5676	9.4	20.6388	21.6200	32,560	5794	9.4	12.9176	21.8528
30,931	5544	9.3	5.1999	19.6952	30,314	5677	9.8	20.7755	10.5785	31,884	5801	9.0	13.8638	8.0088
31,259	5545	8.6	5.2634	24.7006	30,250	5679	8.4	21.2191	9.7463	32,037	5802	9.5	13.8952	11.2290
31,260	5547	9.1	5.3455	24.3919	30,316	5681	9.0	21.3511	11.1626	31,845	5803	9.8	14.0016	6.8345
30,935	5551	9.1	5.7469	20.5407	29,678	5683	9.5	21.4817	1.8253	31,701	5805	9.9	14.2477	2.7807
29,707	5553	9.2	5.8710	2.3975	30,450	5684	9.6	21.5944	12.8158	32,627	5806	9.0	14.3764	22.8940
30,070	5556	9.4	6.6329	8.1285	29,814	5687	9.1	21.7106	3.4866	32,110	5810	9.4	14.7070	12.6512
30,348	5558	9.5	6.7035	11.9089	29,815	5688	9.3	21.9875	3.4753	31,660	5811	9.2	14.7959	2.1326
30,844	5559	7.5	6.7928	19.5607	31,064	5689	9.3	21.9235	21.4027	31,703	5813	9.3	14.9484	2.8268
30,349	5561	9.1	7.1628	11.9572	30,592	5691	9.0	22.2306	15.0095	31,731	5814	9.4	14.9483	3.7429
29,933	5564	9.2	7.4463	5.6856	31,157	5692	8.1	22.2182	22.5531	31,732	5817	9.0	15.1774	3.4149
30,940	5567	9.0	8.0470	20.1694	31,236	5694	9.5	22.5601	23.3995	31,661	5820	8.2	15.7182	1.7252
30,147	5568	9.3	8.1279	8.7835	30,256	5697	9.7	22.8173	10.2080	32,452	5821	8.4	15.8212	19.6820
29,783	5569	8.9	8.2576	4.1962	29,680	5698	9.4	22.8737	2.1189	32,072	5828	9.0	16.7134	12.3960
31,194	5571	9.1	8.3364	22.7844	31,238	5699	8.7	22.9511	23.4754	32,513	5830	8.8	16.8054	21.5943
30,353	5572	9.3	8.7106	12.0434	31,471	5702	9.7	23.0946	24.9542	31,935	5832	9.4	17.1444	8.5682
31,275	5575	9.5	8.9886	24.1385	31,239	5703	8.5	23.1197	23.1516	31,979	5834	9.5	17.4911	10.0371
31,387	5583	9.5	9.7318	24.7960	29,823	5704	9.5	23.2885	4.2453	31,666	5835	9.1	17.7914	2.3187
30,944	5584	9.0	9.7265	20.6234	30,260	5705	8.9	23.3970	9.9256	32,074	5839	9.5	18.2506	12.3292
31,277	5585	9.3	9.7682	24.3028	29,910	5706	8.6	23.7951	4.4936	32,704	5845	9.7	18.5377	24.5497
30,357	5586	9.4	9.9122	12.0409	29,826	5707	9.5	23.9471	3.8440	32,571	5847	9.7	18.7730	21.7524
					30,192	5714	9.9	24.6049	8.7827	31,745	5849	9.4	18.8950	3.9852
					30,263	5715	8.2	24.6459	9.8966	32,848	5850	9.5	18.8204	25.9895

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 7^h 56^m (continued)					R.A. 8^h 4^m (continued)					R.A. 8^h 12^m (continued)				
32,165	5851	9.3	18.8068	14.3014	33,850	5995	8.6	14.1770	16.0157	35,414	6106	8.2	5.3721	20.8341
32,116	5853	9.2	19.0827	13.3017	33,851	5999	9.4	14.2065	15.8421	35,415	6108	9.2	5.6154	20.4433
32,522	5857	9.3	19.4616	21.1644	34,028	5998	9.1	14.3921	19.1095	34,884	6110	9.7	5.7209	6.1387
31,747	5859	9.4	19.8068	4.3341	33,909	5999	9.4	14.4132	17.4980	34,773	6112	9.2	6.0295	2.1987
32,780	5860	9.2	19.7598	25.5129	33,721	6001	9.2	14.4814	13.0730	34,922	6113	9.5	6.4347	7.5079
32,354	5861	9.3	19.9333	18.2969	33,291	6004	9.2	14.9852	7.2504	34,988	6114	9.6	6.5911	9.2277
31,814	5863	9.1	20.0497	5.9549	33,355	6005	9.6	15.0564	8.3039	34,857	6115	9.5	6.6676	5.5439
31,941	5864	9.5	20.0455	8.0219	33,604	6006	9.2	15.1363	11.7764	34,989	6116	9.8	6.7281	9.2326
32,119	5870	9.3	21.2207	13.4752	33,186	6007	9.2	15.3414	4.6250	35,199	6117	8.8	6.9126	16.1886
32,358	5873	9.0	21.5080	18.2010	33,722	6010	9.6	15.7165	13.4983	34,740	6119	9.7	7.2915	1.8730
31,945	5877	9.2	21.8433	9.1244	33,776	6012	9.1	16.1152	14.5773	35,201	6120	9.1	7.3638	16.2299
31,946	5878	9.8	21.8965	8.0280	34,263	6014	9.5	16.4570	21.9916	35,023	6122	9.0	7.4270	11.0844
31,855	5879	9.2	21.9771	6.4192	33,913	6016	9.5	16.6025	17.3228	35,163	6123	9.2	7.6710	14.9249
31,818	5881	9.5	22.1715	5.5819	33,189	6019	9.4	16.8667	4.4594	34,802	6124	9.4	7.8227	3.3504
32,789	5884	9.6	22.2037	24.9827	33,295	6020	8.3	16.9002	7.2317	35,203	6125	9.5	7.9672	15.5749
31,819	5887	8.8	22.7535	6.0220	34,265	6026	9.5	17.5321	21.7133	35,204	6129	9.4	9.1843	16.2499
32,472	5891	8.5	22.7586	20.2875	34,366	6028	9.6	17.8100	23.0634	35,247	6131	9.3	9.3539	16.6755
32,531	5892	9.4	22.8938	21.1983	33,022	6029	9.2	17.9628	1.8714	34,860	6132	9.6	9.4190	5.9986
31,751	5897	9.2	23.8738	4.0664	33,299	6030	9.7	18.1186	6.8597	35,547	6134	9.3	9.5294	24.4007
31,991	5900	9.8	24.3180	9.6790	33,780	6031	9.0	18.1067	15.4352	34,804	6137	9.2	9.8222	3.9465
32,310	5902	9.4	24.3696	16.6412	33,133	6032	7.0	18.3331	3.8640	35,280	6139	9.2	10.0397	18.2978
31,901	5903	9.3	24.7963	7.4795	33,492	6033	9.2	18.5503	10.0356	35,549	6140	9.6	10.3985	24.2828
R.A. 8^h 4^m					33,720	6034	9.0	18.6154	14.2704	35,249	6142	8.3	10.5097	16.9863
33,109	5897	9.2	1.6577	4.0695	33,367	6035	8.6	18.6660	7.9429	35,031	6147	9.4	11.7557	10.9514
33,410	5900	9.8	2.1784	9.6756	33,368	6036	9.0	18.6790	7.6433	35,424	6149	9.4	11.8872	21.0658
33,882	5902	9.4	2.3249	16.6364	33,727	6041	9.0	19.6003	14.1225	35,168	6150	9.5	12.1623	14.6572
33,329	5903	9.3	2.6265	7.4701	33,025	6042	9.8	19.6764	2.2616	35,372	6151	9.5	12.3478	19.7736
33,111	5908	9.3	2.8975	3.3440	34,454	6043	9.1	19.6211	23.9283	35,556	6152	9.5	12.3812	24.3531
34,001	5909	8.2	3.0088	26.0027	33,666	6046	9.4	20.0648	13.1967	34,781	6153	9.2	12.3938	2.8677
33,463	5912	9.8	3.2421	9.9680	33,373	6047	9.1	20.1801	8.1325	34,963	6156	9.8	12.6041	8.9127
34,074	5913	8.5	3.3336	19.7064	33,312	6052	9.7	20.9607	7.3160	35,170	6157	9.2	13.0607	14.8067
33,052	5916	8.3	3.7847	2.8241	34,044	6053	9.4	21.0346	19.2886	35,428	6159	9.5	13.7474	21.1366
33,053	5917	9.4	3.8335	2.2893	34,383	6056	9.5	21.2635	23.2803	35,469	6166	9.6	14.6190	21.4652
33,579	5919	9.2	4.1977	12.3492	33,558	6059	9.3	21.7209	11.2146	34,783	6167	9.3	14.7296	2.1749
33,218	5920	9.4	4.3838	6.0147	33,248	6062	9.4	22.0172	6.3965	35,097	6169	9.5	14.7834	12.6389
33,400	5922	9.5	4.6477	9.2305	34,198	6064	9.5	22.0127	21.4903	35,471	6171	9.3	14.8711	21.9709
33,643	5923	9.5	4.7412	13.3461	34,046	6065	9.6	22.0794	19.0755	34,996	6173	9.7	14.9014	10.1528
33,890	5924	9.6	5.7510	16.7478	33,618	6067	9.8	22.5661	11.8374	34,831	6175	9.5	15.2154	5.0951
34,408	5933	9.3	6.0391	23.8075	33,249	6071	9.5	22.9990	5.4093	35,284	6176	8.4	15.6005	18.1152
34,155	5934	9.2	6.1045	21.4599	34,205	6075	9.2	23.8477	21.4967	35,608	6177	9.7	15.8477	24.6173
34,508	5936	9.8	6.4452	25.2801	34,390	6076	8.9	24.0045	23.5465	34,933	6178	9.0	15.8780	8.0484
34,412	5937	9.3	6.8564	23.6257	33,743	6079	9.8	24.3394	13.9318	35,328	6182	9.1	16.6618	18.5044
33,588	5938	8.3	6.8711	11.6613	33,142	6080	9.8	24.6550	3.7798	34,870	6183	9.2	16.7261	5.4266
33,336	5940	9.4	6.9207	8.0417	34,394	6082	9.5	24.8378	23.5626	34,871	6184	9.2	17.0172	5.5048
33,833	5941	9.0	6.9727	15.5670	R.A. 8^h 12^m					34,936	6189	9.5	17.2970	7.7582
33,893	5942	9.6	7.1104	16.5279	35,454	6075	9.2	1.8693	21.4986	35,614	6194	8.7	17.9246	24.9493
33,527	5944	9.4	7.2075	10.6543	35,532	6076	8.9	2.0540	23.5461	35,077	6196	7.9	18.0833	12.0490
33,337	5945	9.3	7.2610	7.9120	35,118	6079	9.8	2.2578	13.9278	35,616	6197	9.1	18.1702	24.5635
33,475	5949	9.2	8.1972	9.7330	34,795	6080	9.8	2.4349	3.7727	34,786	6199	9.4	18.5246	2.5402
32,994	5951	9.1	8.2387	1.9941	35,535	6082	9.5	2.8874	23.5503	34,906	6203	8.9	19.0735	7.1449
33,282	5952	9.0	8.2850	6.9445	35,579	6085	9.6	3.0624	25.2100	35,039	6205	9.8	19.1735	10.4699
33,062	5956	9.1	8.9560	3.1125	34,878	6086	9.8	2.9776	6.1181	34,907	6206	9.5	19.1887	6.5896
33,895	5957	9.4	9.0481	17.2712	34,984	6088	9.5	3.0926	9.8088	35,040	6207	9.4	19.1784	10.7699
33,343	5959	9.2	9.1441	7.6146	34,985	6089	9.1	3.2046	9.5695	35,564	6208	9.2	19.2719	24.0273
33,344	5962	9.4	9.6765	8.0650	35,537	6091	8.7	3.7371	23.6867	34,815	6209	9.0	19.6544	3.9110
34,168	5964	9.0	10.0726	21.5479	34,853	6092	9.2	4.0128	5.2959	34,837	6212	9.7	20.6309	5.0374
33,417	5968	8.5	10.7154	8.4742	35,057	6093	9.5	4.0656	11.9522	35,178	6214	9.4	20.7850	15.3155
34,529	5971	3.0	11.0422	25.1945	35,058	6095	9.3	4.2548	11.9135	35,003	6215	9.4	20.8754	9.5575
34,343	5975	8.8	11.8578	23.5872	34,854	6096	9.4	4.2930	5.8875	35,518	6218	9.3	20.9561	22.7393
33,229	5976	9.2	11.9638	5.5270	34,771	6098	8.7	4.2930	2.1742	35,338	6219	7.7	21.2250	18.8228
33,716	5977	8.4	12.0374	14.1196	34,881	6099	9.3	4.3786	6.2583	34,942	6221	9.2	21.3412	7.7996
34,093	5978	9.2	12.1566	19.7101	35,413	6100	8.5	4.4836	21.0484	35,148	6227	9.4	21.8361	13.7449
33,846	5979	9.5	12.1632	16.5149	35,192	6101	8.0	4.4781	15.5587	35,570	6229	9.5	21.8264	23.7300
33,905	5986	7.3	13.0758	16.9177	35,492	6102	9.2	4.7075	23.3302	34,945	6232	9.6	22.4664	7.3549
33,008	5988	8.8	13.4971	2.2566	35,585	6103	7.6	4.7513	24.9135	35,389	6234	9.6	22.4888	19.9704
33,848	5989	9.0	13.5585	16.3681	35,158	6104	9.2	5.0108	15.1002	35,623	6237	8.8	22.9345	24.8287
										35,084	6238	9.2	23.2747	11.3944

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 8 ^h 12 ^m (continued)					R.A. 8 ^h 20 ^m (continued)					R.A. 8 ^h 28 ^m (continued)				
35,181	6239	6.5	23.3488	14.7946	36,897	6350	9.3	15.2168	18.8897	37,629	6469	9.4	7.4048	2.3417
35,151	6242	7.7	23.6157	13.5648	36,898	6352	9.3	15.4160	18.7692	37,865	6470	9.0	7.4339	6.3801
35,624	6243	9.2	23.5450	25.4735	36,098	6354	9.4	15.6932	6.4343	38,345	6474	9.6	8.1965	14.9442
35,341	6247	8.6	23.7159	18.6520	36,709	6360	9.2	17.1783	15.4578	38,744	6475	9.1	8.2706	20.9388
35,572	6248	8.6	23.6838	24.3816	36,045	6362	9.0	17.2272	5.6630	39,017	6480	9.5	9.6360	24.6438
34,946	6251	9.0	24.2966	8.1092	35,869	6364	9.5	17.4469	2.4010	38,677	6481	8.5	9.7995	20.0035
34,978	6253	6.2	24.3735	8.3431	35,920	6367	9.6	17.5916	4.1757	38,815	6484	8.9	9.9307	21.5091
35,527	6256	9.5	24.4113	22.5551	36,100	6368	9.5	17.6216	6.4662	38,098	6490	9.3	10.9073	10.5257
35,185	6257	9.4	24.6637	15.3497	36,299	6372	8.4	18.1308	9.8783	38,045	6491	9.5	10.9381	9.4380
35,574	6258	9.2	24.6072	24.4573	36,710	6373	8.4	18.1332	16.3730	38,409	6493	7.7	11.1135	15.4041
35,398	6260	9.2	24.6596	20.1181	36,178	6376	9.5	18.5041	8.0264	38,099	6496	9.4	11.2192	10.8696
R.A. 8 ^h 20 ^m					36,048	6377	9.2	18.5567	5.3472	38,555	6502	9.5	11.9603	18.0621
36,406	6238	9.2	1.1585	11.4050	36,304	6380	9.0	19.1251	10.0961	38,299	6513	9.5	13.5687	13.5904
36,589	6239	6.5	1.2790	14.8040	37,216	6381	9.6	19.2404	23.1860	37,874	6516	8.4	13.9489	6.7622
36,532	6242	7.7	1.5291	13.5707	36,378	6382	8.6	19.4634	11.0710	39,025	6517	9.5	13.9401	25.1188
37,334	6243	9.2	1.6208	25.4793	36,181	6384	9.1	19.5692	7.4729	39,026	6518	8.8	14.0830	24.6465
36,869	6247	8.6	1.6988	18.6561	36,639	6385	9.5	19.6476	14.8180	38,899	6519	9.5	14.3014	23.4856
37,247	6248	8.6	1.7448	24.3857	36,241	6386	9.6	19.6811	9.2342	38,169	6520	8.8	14.4249	11.4523
36,128	6251	9.0	2.1355	8.1063	36,904	6387	9.3	19.6624	19.1359	37,932	6521	8.8	14.4648	7.5873
36,198	6253	6.2	2.2156	8.3392	36,905	6391	8.3	19.8951	18.7719	38,827	6524	9.5	14.7232	21.6490
37,169	6256	9.5	2.4473	22.5490	36,182	6392	9.4	19.9471	7.6697	38,483	6526	9.2	14.9373	17.1446
36,666	6257	9.4	2.6014	15.3410	36,448	6396	7.6	20.2883	12.0966	38,485	6527	8.7	15.0066	16.4096
37,251	6258	9.2	2.6691	24.4483	37,062	6399	8.6	20.5023	21.1403	37,656	6529	8.5	15.4126	2.4352
36,940	6260	9.2	2.6623	20.1088	35,870	6400	8.8	20.6055	2.4666	38,828	6530	8.9	15.4570	21.6767
37,084	6262	8.5	3.0468	22.4043	36,574	6402	6.5	20.7765	14.3191	38,758	6532	8.8	15.6059	21.3029
36,741	6263	9.4	3.0393	16.5761	37,147	6403	9.2	20.9197	22.0327	38,633	6533	9.4	15.7108	18.5212
35,826	6266	8.2	3.3841	2.6246	37,229	6406	9.1	21.4726	23.1870	38,904	6535	8.5	15.7937	23.1170
36,597	6267	9.4	3.6968	15.0947	35,815	6407	9.3	21.5941	2.0446	38,111	6536	9.1	16.0187	11.3088
36,944	6268	9.5	3.7344	19.4824	36,058	6415	9.8	22.9507	5.5155	38,243	6539	7.3	16.9623	13.2275
36,199	6270	9.0	3.7739	8.4287	36,060	6418	9.1	23.2893	6.2483	37,943	6540	9.0	17.1092	7.5230
36,007	6272	9.8	3.8828	5.5476	36,727	6421	9.1	23.4468	16.1331	38,113	6541	9.6	17.1627	10.4312
36,200	6273	9.2	3.9015	8.8044	36,455	6422	9.7	23.6854	11.5964	38,487	6543	9.6	17.4803	17.2506
36,950	6277	8.8	5.3116	20.2399	36,455	6422	9.7	23.6854	11.5964	39,104	6544	8.8	17.4972	26.0002
36,475	6278	9.3	5.3085	13.1272	36,250	6425	9.0	23.8199	8.8335	38,311	6546	9.6	17.9571	14.1889
36,204	6283	9.8	6.0310	9.1314	36,520	6426	9.3	23.8117	13.2324	38,833	6548	9.4	18.4460	22.3348
35,838	6286	9.8	6.6541	2.8919	36,316	6428	6.8	24.7274	9.9099	38,636	6550	8.1	18.7314	18.7972
36,549	6289	8.3	6.9771	14.1405	35,997	6430	8.9	24.9126	5.0923	38,765	6552	9.6	18.9903	20.9527
37,430	6290	9.8	7.1917	25.5626	R.A. 8 ^h 28 ^m					38,248	6553	9.6	19.1467	12.8059
36,755	6291	9.0	7.2105	17.0273	37,848	6418	9.1	1.1028	6.2589	38,699	6555	9.2	19.2802	20.2595
36,020	6295	9.6	7.2762	5.5618	38,390	6421	9.1	1.3953	16.1411	38,369	6556	9.4	19.4741	15.1904
35,842	6298	9.2	7.5262	2.6187	38,135	6422	9.7	1.5719	11.6013	38,317	6557	8.7	19.5993	13.6854
36,959	6301	9.0	8.4675	19.4514	37,965	6425	9.0	1.6687	8.8369	38,975	6559	9.1	20.2656	23.6498
37,435	6302	9.5	8.9987	26.0037	38,207	6426	9.3	1.7206	13.2356	38,254	6561	9.1	20.4626	12.4602
35,852	6307	9.3	9.8918	2.8047	38,020	6428	6.8	2.5909	9.9010	37,601	6562	8.8	20.5554	1.3614
36,082	6310	9.0	10.2563	7.1734	37,739	6430	8.9	2.7103	5.0815	38,977	6563	9.4	20.6166	24.0796
37,193	6315	9.2	10.9545	22.6619	37,854	6431	9.6	2.8409	7.0372	38,320	6564	8.6	21.1632	14.3397
37,281	6317	8.4	11.1354	24.3909	38,599	6432	7.7	2.9799	18.9872	38,979	6565	8.6	21.5448	23.5313
36,218	6318	9.7	11.1464	8.8532	38,730	6433	9.5	3.1085	20.9713	38,985	6572	8.5	22.6991	23.5574
36,889	6323	9.5	11.4428	19.0350	38,527	6434	9.5	3.1395	18.2470	37,664	6573	9.4	23.2243	2.6723
36,827	6328	9.6	12.1742	18.1796	38,938	6435	9.1	3.2757	24.3756	37,952	6575	9.6	23.4879	7.5604
37,368	6330	9.6	12.5029	24.7439	37,680	6436	9.5	3.4542	3.5132	38,853	6576	9.7	23.4752	21.9527
36,034	6331	9.5	12.7499	6.0149	38,601	6437	9.4	3.6404	19.0758	37,953	6577	9.5	23.6699	7.3540
36,562	6332	9.6	13.0230	14.3227	38,025	6440	9.2	4.5039	9.6057	38,777	6578	9.1	23.6998	21.1582
36,162	6333	9.0	13.1829	7.6387	38,025	6440	9.2	4.5039	9.6057	38,444	6579	8.2	23.8445	15.9010
36,038	6334	9.8	13.3615	6.0328	37,617	6441	9.6	4.5996	2.6764	38,072	6582	9.1	24.3290	9.4283
36,563	6335	9.7	13.4038	14.3490	38,217	6443	9.3	4.9737	13.1899	38,782	6585	9.8	24.7379	20.6301
37,204	6336	9.6	13.4685	22.7644	37,974	6444	9.4	4.9651	9.1092	R.A. 8 ^h 36 ^m				
36,039	6337	9.4	13.6038	5.5978	39,003	6446	9.3	5.1338	25.0319	39,237	6573	9.4	0.9891	2.6838
36,224	6339	9.7	13.8028	9.0812	38,149	6447	9.2	5.3138	11.5241	39,532	6575	9.6	1.3194	7.5684
36,702	6341	9.2	14.1899	15.9447	38,029	6450	9.2	5.5788	9.7314	40,389	6576	9.7	1.5030	21.9597
36,769	6344	7.6	14.5285	17.3932	37,800	6451	9.9	5.5690	5.5683	39,533	6577	9.5	1.4985	7.3596
36,364	6345	6.0	14.5751	10.9615	38,540	6452	9.7	5.8513	18.0539	40,330	6578	9.1	1.7167	21.1623
36,705	6346	9.0	14.5887	15.4825	38,405	6456	8.3	6.1938	15.4707	40,043	6579	8.2	1.7897	15.9035
36,167	6347	9.2	14.6217	7.7020	39,010	6457	9.7	6.2874	24.7924	39,671	6582	9.1	2.1859	9.4248
37,128	6348	6.6	15.0472	21.6644	37,907	6461	9.8	6.3287	8.2437	40,335	6585	9.8	2.7476	20.6197
37,129	6349	9.												

Reference No.				Reference No.				Reference No.						
Mag.		Standard co-ordinates, 1900-0.		Mag.		Standard co-ordinates, 1900-0.		Mag.		Standard co-ordinates, 1900-0.				
Hyd.	Cordoba.	ξ.	η.	Hyd.	Cordoba.	ξ.	η.	Hyd.	Cordoba.	ξ.	η.			
R.A. 8 ^h 36 ^m (continued)				R.A. 8 ^h 44 ^m (continued)				R.A. 8 ^h 52 ^m (continued)						
40,048	6592	9.5	4.0920	15.9005	41,344	6718	7.4	2.8221	18.1289	42,268	6858	8.8	6.7591	23.8858
39,718	6594	9.5	4.2120	10.7406	41,162	6724	8.9	3.7154	12.8966	42,269	6859	9.6	6.8990	24.7094
39,199	6595	9.6	4.2735	2.0619	41,536	6727	9.2	4.5233	22.3996	41,800	6861	9.5	7.2137	3.9679
39,427	6597	8.5	4.4405	5.6250	41,007	6731	9.7	4.5559	8.5992	41,882	6862	9.2	7.4436	7.8506
40,522	6599	8.7	4.7371	24.4594	41,537	6732	9.7	4.7535	21.9499	42,096	6863	9.6	7.6683	17.1750
40,097	6600	9.6	5.2249	16.5046	40,918	6734	9.2	5.0585	7.1728	42,038	6864	7.8	7.6841	14.7197
40,195	6602	7.9	5.6107	19.4028	41,259	6735	9.4	5.2373	16.3176	42,121	6866	8.8	7.8291	18.6353
40,147	6603	9.0	5.7384	17.8316	40,871	6737	9.2	5.4437	5.4746	42,292	6871	8.6	9.1858	25.2147
39,681	6604	9.0	6.2073	9.6880	40,873	6740	9.3	5.8263	5.6004	42,101	6872	9.2	9.5665	16.9048
40,279	6606	9.1	6.6789	19.9769	40,875	6742	8.6	5.8974	5.2680	42,125	6873	9.4	9.8935	18.3792
39,258	6610	8.4	6.9245	2.9905	40,876	6745	9.0	6.3994	5.3147	41,885	6875	10.0	9.9902	7.9214
39,260	6611	9.7	7.0086	3.0752	40,879	6749	9.2	7.5298	5.9070	41,996	6877	9.8	10.5352	13.2149
40,282	6620	9.6	8.5504	19.9083	41,011	6750	8.6	7.7205	8.3933	41,997	6880	8.5	11.0265	13.0582
39,879	6621	9.4	8.5956	13.2583	41,643	6752	9.0	8.1048	24.5261	41,864	6881	9.7	11.2293	6.5997
40,055	6622	9.3	8.9963	16.2074	40,838	6753	8.6	8.1044	4.9631	42,128	6886	9.2	11.6444	18.3530
39,940	6625	9.0	9.2942	13.4736	40,880	6754	9.1	8.1244	6.0608	42,129	6887	7.0	11.6879	18.2413
39,387	6627	5.3	9.5470	4.8716	41,392	6758	9.6	9.6554	18.6050	42,000	6893	9.6	12.5940	12.5930
39,207	6629	9.2	10.0519	2.1904	41,017	6760	9.7	10.2415	8.8150	41,848	6894	9.6	12.7753	5.9365
40,156	6630	8.8	10.2413	18.3956	41,596	6762	8.5	10.5170	22.9204	42,021	6896	9.2	13.2001	13.9870
40,063	6635	9.1	11.3340	15.7675	41,690	6764	7.7	10.9921	25.3114	42,022	6897	9.3	13.3210	14.2307
40,158	6636	9.0	11.4436	18.4116	41,691	6766	9.1	11.2801	24.7153	41,937	6899	9.5	13.4629	10.2404
40,013	6637	9.6	11.4462	15.4531	41,546	6767	9.7	11.3595	21.9066	41,786	6901	8.3	14.0394	2.6762
40,159	6638	9.7	11.4774	17.7789	41,204	6768	9.1	11.6730	13.4522	42,277	6902	8.9	14.1569	24.7136
40,218	6639	9.1	11.5919	18.5950	41,693	6769	9.2	11.9375	25.1133	42,296	6904	8.5	14.1928	25.7008
39,391	6640	9.2	11.5957	4.8689	41,600	6770	9.8	12.3177	23.3156	42,041	6907	9.3	15.0979	15.4021
39,748	6644	8.2	12.1011	11.2586	41,696	6771	9.6	12.6702	25.0525	42,004	6908	9.4	15.6951	13.0786
39,568	6645	9.0	12.1294	8.3028	41,653	6772	9.5	12.6983	23.8522	41,811	6909	9.8	15.7109	4.1397
40,548	6646	8.8	12.5129	24.5782	41,063	6773	8.4	12.8137	10.2413	42,106	6911	9.4	17.6247	16.7070
40,161	6648	9.3	13.0151	18.2328	41,230	6777	9.5	13.3971	15.1510	42,302	6912	8.6	18.1288	25.5119
40,554	6652	9.4	13.5959	24.5702	41,096	6782	9.0	14.0573	10.7120	41,814	6916	9.8	18.5729	3.5777
40,419	6653	8.6	14.0242	22.1261	40,932	6783	8.9	14.2967	7.0501	42,224	6917	8.8	18.5341	22.6783
40,662	6658	8.6	14.5169	25.7442	41,365	6784	9.6	14.8319	18.1844	41,835	6918	9.3	18.6310	5.1184
39,955	6659	9.3	14.7011	13.8820	40,895	6785	9.2	15.1183	5.7458	41,852	6921	8.5	18.9149	6.4246
40,621	6661	8.8	14.9226	25.2308	41,366	6789	9.2	15.6992	18.3395	41,894	6923	8.4	18.9211	7.7467
40,227	6663	9.2	15.1097	19.3456	40,815	6791	8.7	15.8406	3.8366	42,140	6924	8.3	18.9805	17.9046
40,113	6666	9.3	15.5488	16.8201	41,608	6792	9.2	16.0161	23.5350	42,109	6925	9.4	19.0072	17.5187
39,646	6668	9.0	15.7106	8.7760	41,458	6794	9.5	16.0586	19.9072	42,282	6926	8.8	18.9900	24.2245
40,559	6669	8.5	15.8666	24.0319	40,898	6796	8.5	16.3345	5.6293	41,836	6928	9.7	19.2493	4.8970
40,022	6671	9.5	16.2871	15.2861	41,178	6797	9.7	16.3241	13.3647	42,078	6930	9.1	19.4523	15.7090
40,023	6672	9.8	16.3571	15.2438	41,404	6798	9.1	16.4930	19.5421	41,758	6931	9.4	20.3509	1.2774
40,563	6673	9.4	16.4240	24.4060	40,899	6801	9.4	16.8238	5.3541	41,923	6932	9.2	20.3799	8.6624
39,760	6675	9.2	17.0230	11.3720	41,461	6802	8.0	17.3734	19.9723	42,028	6935	9.5	21.0732	14.3012
40,304	6676	9.6	17.0217	20.3765	40,785	6804	9.4	17.4946	3.0813	42,227	6936	9.1	21.1507	22.7933
40,232	6678	9.6	17.3892	18.8576	41,616	6806	9.5	18.3538	23.5021	42,258	6937	9.4	21.2529	23.6474
39,404	6680	9.1	17.8386	4.5059	40,744	6808	9.5	19.1603	2.0075	41,838	6938	9.5	21.4136	4.8631
39,512	6681	9.5	18.0583	7.0742	41,300	6809	9.4	19.1223	18.1552	42,228	6939	8.8	21.3290	22.6548
39,276	6683	9.0	18.4165	2.7159	41,029	6810	9.4	19.4073	8.6981	41,943	6940	7.5	21.4838	10.3712
40,497	6685	8.1	19.0128	23.2514	41,102	6812	8.6	19.4478	11.1794	42,030	6942	9.4	21.6457	14.6852
40,684	6687	8.2	19.7173	25.9752	40,948	6816	9.0	20.5733	7.1695	42,259	6943	8.3	21.9240	23.2026
39,458	6688	9.2	19.8012	6.1066	41,032	6817	8.1	20.5691	8.9811	41,839	6944	7.5	22.5571	4.6612
39,352	6691	9.8	20.1800	3.3507	41,469	6819	9.5	20.6564	20.1351	41,974	6946	9.6	23.0016	11.1366
40,078	6692	9.5	20.3941	16.3571	40,949	6824	9.7	21.2474	6.5272	41,779	6949	8.2	23.9592	2.1118
40,033	6693	9.4	20.9252	15.4049	41,287	6825	9.6	22.0517	16.0123	41,795	6951	9.4	24.2580	3.2762
40,586	6695	9.6	21.6500	24.4795	41,419	6831	9.2	24.1052	19.6210	R.A. 9 ^h 0 ^m				
40,443	6700	9.6	22.1748	22.4655	R.A. 8 ^h 52 ^m				42,395	6949	8.2	1.7163	2.1140	
40,088	6707	8.8	23.0820	15.8371	42,167	6831	9.2	2.1011	19.6195	42,418	6951	9.4	2.0310	3.2744
39,417	6708	9.3	23.3744	4.8605	42,264	6836	9.4	3.3037	23.8665	42,502	6952	9.4	3.0378	7.2251
40,507	6711	8.7	23.7911	23.5913	41,977	6838	9.5	3.2751	12.2450	42,821	6953	7.1	3.3187	22.1752
39,604	6712	9.4	23.9032	8.1811	42,036	6839	9.2	3.4905	14.7320	42,751	6956	9.3	4.0735	19.1994
40,037	6714	9.1	24.1867	14.6616	42,057	6840	9.7	4.5304	16.0801	42,726	6959	9.6	4.9303	18.3053
40,184	6718	7.4	24.8465	18.1405	41,876	6841	8.2	4.5545	8.4025	42,467	6961	9.7	5.0502	5.4886
R.A. 8 ^h 44 ^m				41,841	6843	9.4	4.8438	6.1829	42,563	6963	9.2	5.2108	10.4217	
40,831	6708	9.3	1.1691	4.8701	41,877	6844	9.2	4.8632	7.7622	42,400	6966	9.2	5.8449	2.7971
41,627	6711	8.7	1.8412	23.5938	41,905	6846	8.5	5.2292	8.8649	42,710	6968	8.0	6.2520	17.2960
40,956	6712	9.4	1.7431	8.1835	42,016	6851	9.2	5.7899	14.4484	42,425	697			

Reference No.		Mag.	Standard co-ordinates, 1900.0.		Reference No.		Mag.	Standard co-ordinates, 1900.0.		Reference No.		Mag.	Standard co-ordinates, 1900.0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 9 ^h 0 ^m (continued)					R.A. 9 ^h 8 ^m (continued)					R.A. 9 ^h 16 ^m (continued)				
42,729	6978	9.3	8.1888	17.7474	43,029	7118	9.0	13.8404	2.4234	44,526	7252	9.3	16.8233	19.4178
42,564	6979	9.0	8.3659	10.5212	43,476	7119	9.2	13.8957	16.2576	44,609	7253	8.6	16.8354	21.4771
42,778	6980	9.4	8.5323	20.1689	43,371	7120	9.5	13.9111	13.4260	44,218	7254	9.6	17.1314	11.1290
42,851	6981	8.1	8.7742	23.2658	43,541	7130	9.4	15.9356	18.0075	44,298	7256	9.6	17.4355	13.3361
42,523	6987	8.5	10.2589	8.2259	43,455	7132	9.3	16.5493	14.7752	44,564	7258	8.9	17.5427	20.5528
42,629	6988	9.1	10.3143	13.4889	43,164	7133	7.4	16.5832	6.5044	43,926	7260	8.5	17.9878	2.9457
42,711	6991	9.4	10.8944	17.2845	43,343	7135	10.0	16.6527	11.7344	44,253	7261	8.9	18.0791	11.7719
42,651	6992	9.3	11.0935	14.4378	43,418	7137	9.3	17.0175	13.9497	44,125	7262	8.7	18.5663	7.9386
42,609	6994	9.2	11.5811	12.6026	43,070	7138	9.0	17.2301	4.3715	44,003	7263	9.5	18.6829	5.0916
42,757	6995	8.4	11.6252	18.4187	43,168	7140	9.4	17.9949	7.1243	43,929	7267	9.6	19.6152	2.5144
42,681	6998	9.8	12.3100	16.0869	43,270	7141	9.4	18.0194	10.0919	44,532	7268	9.6	19.5763	18.8871
42,854	6999	7.9	12.4068	23.1228	43,101	7143	9.6	18.3432	4.4521	44,079	7270	8.8	19.9756	6.4147
42,449	7000	9.6	12.9084	4.9339	43,519	7146	9.7	18.8910	16.7756	44,644	7275	9.3	20.4211	22.6503
42,450	7001	9.7	13.4497	4.4264	43,577	7148	8.6	19.1228	19.4520	44,130	7276	8.8	20.5187	7.8868
42,566	7003	9.9	13.7907	11.0845	43,075	7149	9.7	19.6875	3.6217	44,156	7277	9.0	20.9987	8.8900
42,738	7006	8.3	14.6202	17.5326	43,137	7151	7.9	19.8490	5.6207	44,646	7281	9.2	21.9575	22.0349
42,739	7009	8.8	14.7398	18.1293	43,216	7154	9.4	20.8016	8.2304	44,415	7282	7.9	22.1200	15.7849
42,856	7010	8.4	14.7858	22.4906	43,425	7158	7.7	21.6721	13.9506	44,460	7288	9.4	23.5559	17.5868
42,512	7013	8.9	15.5551	7.8716	43,111	7159	9.8	21.9908	4.9775	44,086	7289	8.5	23.7459	6.6198
42,655	7014	9.6	15.7891	14.3877	43,181	7160	9.4	22.4203	7.4220	44,087	7290	8.1	23.8248	6.8515
42,683	7016	9.6	15.8992	16.2973	43,430	7162	9.7	22.5621	13.7636	44,010	7291	8.6	24.1259	4.5678
42,530	7017	9.4	16.6491	8.4027	43,793	7163	9.3	22.6412	25.5012	44,501	7296	7.7	24.8913	17.7812
42,714	7024	8.8	17.4963	17.1131	43,617	7165	9.5	22.8682	20.5813	R.A. 9 ^h 24 ^m				
42,686	7026	9.4	17.7444	15.5058	43,008	7167	9.2	23.0828	2.2626	45,097	7288	9.4	1.5241	17.5932
42,513	7031	9.0	18.4165	7.3004	43,278	7170	8.4	23.5616	9.5863	44,887	7289	8.5	1.5645	6.6244
42,834	7033	7.9	18.7183	22.0962	43,695	7173	9.4	24.6076	22.5028	44,888	7290	8.1	1.6466	6.8550
R.A. 9 ^h 8 ^m					R.A. 9 ^h 16 ^m					44,855	7291	8.6	1.9166	4.5675
43,588	7057	8.6	1.6151	19.6179	44,163	7170	8.4	1.4207	9.5931	45,098	7296	7.7	2.8621	17.7691
43,321	7058	9.0	1.6390	12.0944	44,624	7173	9.4	2.6428	22.4910	44,993	7297	9.5	3.0478	13.4159
43,228	7060	8.9	1.7581	8.9470	43,908	7177	9.9	3.0247	2.8585	45,028	7298	9.4	3.7055	15.2550
43,555	7062	8.6	2.6492	18.7930	44,054	7178	9.0	3.4728	7.1582	45,029	7299	9.5	3.7989	15.2650
43,498	7066	9.0	3.0470	16.9364	44,354	7182	9.6	4.5245	14.5973	44,821	7303	9.7	4.4625	2.5808
43,674	7068	8.8	3.2339	21.8682	44,098	7185	9.3	5.0808	7.7658	44,873	7308	8.0	5.3429	5.5630
43,442	7072	9.1	4.3122	14.6234	44,057	7186	8.5	5.3857	7.2087	45,078	7310	9.3	5.7929	16.9910
43,500	7074	9.6	4.3943	17.4316	44,099	7189	9.9	5.6425	8.0166	45,117	7312	9.3	6.2788	19.5334
43,765	7075	8.6	4.5186	25.6880	44,629	7191	9.3	5.9692	22.3477	45,139	7313	9.3	6.3925	19.7737
43,399	7077	8.8	4.6926	14.3821	44,102	7192	8.7	6.3124	7.7664	44,837	7314	9.4	6.4596	3.8226
43,049	7080	7.0	5.0839	3.3736	43,948	7193	7.2	6.4625	4.0790	44,930	7316	9.3	6.9194	8.9455
43,197	7081	9.6	5.5518	7.8567	44,546	7196	9.2	7.0486	20.1814	44,856	7317	9.3	6.9804	4.8477
43,233	7084	9.4	6.6705	8.7628	44,327	7198	9.3	7.5033	14.2896	45,193	7320	7.0	7.9652	21.8253
43,677	7085	9.2	6.7629	22.1359	44,169	7200	9.4	7.7814	9.5096	44,895	7321	8.8	8.0230	7.3646
43,260	7087	6.5	7.2180	10.2422	44,476	7202	9.5	8.1897	18.3617	44,896	7327	9.5	9.4898	7.3239
43,327	7089	9.3	7.4445	11.6112	44,738	7203	8.2	8.4794	25.4470	44,980	7328	9.1	9.7738	11.6842
43,015	7092	9.6	7.7002	2.6935	44,548	7204	9.0	8.7063	20.2859	44,897	7330	9.7	10.0453	6.5068
43,234	7094	8.2	8.0402	9.3744	44,433	7205	9.0	8.9431	16.7669	44,860	7335	9.1	10.8362	4.9323
43,331	7096	9.5	8.3191	12.1827	44,105	7206	9.4	8.9526	7.4878	45,195	7336	9.2	10.8774	21.8246
43,407	7099	9.6	8.4791	13.7566	43,913	7210	7.2	9.1386	2.5876	44,947	7337	9.6	10.9444	10.0016
43,683	7100	9.6	8.8520	22.2204	44,285	7214	8.8	9.7925	12.7839	45,225	7341	9.2	11.4777	23.9645
43,599	7101	9.6	9.4734	20.5056	44,664	7215	9.2	10.0840	23.0128	45,061	7342	8.0	11.4793	15.9191
43,295	7103	9.5	10.2080	10.7797	44,150	7216	9.5	11.0087	9.4246	45,062	7344	9.8	11.9242	16.1257
43,159	7104	9.8	10.7962	6.4476	44,111	7222	8.3	11.5305	7.4513	45,103	7347	9.5	12.0779	18.4564
43,538	7107	9.4	11.6413	17.9170	43,915	7223	9.6	11.6687	2.5910	44,899	7348	9.5	12.3991	7.2853
43,638	7109	9.0	11.7490	21.2789	44,403	7229	9.3	12.2844	16.4035	45,246	7350	8.6	13.0425	25.0085
43,023	7110	9.6	11.7371	2.9745	44,330	7230	8.0	12.3623	13.6671	45,149	7355	9.1	13.7770	20.4972
43,368	7111	9.3	11.9110	12.8737	44,515	7231	9.3	12.4003	19.2965	45,197	7356	9.5	14.2425	22.1767
43,689	7115	9.0	13.3514	22.2838	44,290	7233	8.8	12.6700	12.9477	45,087	7360	9.6	14.4742	17.5375
					44,028	7234	9.9	12.7929	6.2698	45,107	7363	9.0	15.5464	17.7728
					44,516	7236	9.2	13.4843	18.8405	44,985	7367	6.8	16.5823	11.8890
					43,962	7237	9.5	13.8312	4.0667	45,181	7370	9.6	16.8032	21.7263
					44,602	7239	8.0	13.9929	21.0834	45,269	7375	9.0	17.2068	26.0053
					44,445	7242	8.6	15.6173	17.3415	45,248	7376	9.2	17.2392	24.9767
					44,338	7245	9.3	15.9633	13.8864	45,214	7378	7.0	17.7470	23.0373
					44,524	7247	8.8	16.3844	19.2935	45,067	7382	9.5	18.0120	16.4756
					43,999	7248	9.8	16.5050	4.7964	45,158	7385	9.7	18.3700	20.0187
					44,406	7249	9.6	16.5546	16.3147	45,159				
					44,608	7251	9.5	16.7276	21.5431	44,849	7386	9.2	19.1224	3.9729

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 9 ^h 48 ^m (continued)					R.A. 9 ^h 56 ^m (continued)					R.A. 10 ^h 12 ^m				
47,451	7755	9.4	15.1347	23.3729	47,769	7893	9.2	22.9407	10.5575	49,033	7998	9.5	1.5394	14.4871
47,131	7757	9.5	15.2564	11.4732	48,053	7894	6.1	23.2427	22.6532	48,934	8002	9.1	2.0967	10.5774
47,370	7758	8.0	15.5451	20.6500	47,955	7895	9.4	23.4495	18.3492	49,100	8004	9.4	2.4451	16.9623
47,020	7759	7.9	15.6374	6.6719	47,682	7896	9.1	24.0266	5.9765	48,905	8005	9.0	2.6419	9.3760
46,968	7760	9.0	15.8527	5.3659	47,980	7897	8.7	24.1264	19.4737	49,264	8006	9.6	2.7537	23.3788
47,247	7762	9.3	16.7039	15.5253	47,981	7898	9.3	24.1705	18.8699	49,230	8009	8.6	5.2156	22.0045
47,134	7767	8.3	18.0149	11.0974	48,142	7899	8.9	24.1699	25.5499	48,833	8010	7.6	5.1763	8.0448
47,348	7768	9.6	18.7527	19.2299	47,684	7900	9.2	24.5096	6.4607	48,834	8011	9.4	5.6262	7.8833
47,190	7772	7.2	19.7481	13.2953	R.A. 10 ^h 4 ^m					49,270	8012	9.7	5.8818	22.8592
47,349	7773	9.1	19.8039	19.7088	48,515	7894	6.1	1.2801	22.6636	49,271	8013	9.5	5.9423	23.3122
47,076	7778	9.0	20.4006	9.5963	48,447	7895	9.4	1.4281	18.3571	49,105	8014	6.4	6.0351	16.8379
47,491	7779	9.2	20.5160	24.5913	48,263	7896	9.1	1.8365	5.9774	49,273	8016	9.5	6.5943	23.2529
46,946	7780	9.6	21.2517	3.7627	48,462	7897	8.7	2.1203	19.4720	48,877	8018	9.1	7.3061	8.5551
47,328	7784	9.0	21.4612	18.4593	48,463	7898	9.3	2.1561	18.8676	48,756	8019	8.6	7.4460	5.0475
46,997	7785	8.6	22.1106	5.8033	48,566	7899	8.9	2.2467	25.5469	49,303	8027	9.3	8.6744	23.9337
47,078	7786	9.1	22.4532	9.2294	48,278	7900	9.2	2.3261	6.4551	48,783	8031	9.5	9.2406	6.0197
47,198	7794	9.2	23.7987	13.4003	48,279	7903	9.1	2.9963	7.0533	49,015	8035	9.5	9.7008	14.1114
47,379	7795	8.1	23.7547	20.5448	48,325	7905	9.3	3.4823	9.7955	49,155	8036	9.3	10.1511	18.8024
47,166	7797	9.1	24.2175	12.3401	48,309	7906	9.4	3.6955	8.7784	49,079	8037	9.0	10.4150	15.7580
47,253	7798	8.8	24.2384	15.4314	48,244	7907	8.7	3.8536	3.7176	48,698	8043	9.2	11.1475	2.8880
R.A. 9 ^h 56 ^m					48,504	7911	8.7	4.8776	21.2343	49,049	8046	9.5	11.5771	14.7779
47,825	7794	9.2	1.7098	13.4038	48,282	7912	9.5	5.0292	7.2470	48,944	8049	9.3	12.4369	11.1444
47,984	7795	8.1	1.7633	20.5483	48,268	7913	9.6	5.5095	6.0013	48,997	8050	9.4	12.7312	12.9363
47,796	7797	9.1	2.1141	12.3378	48,467	7917	9.0	5.9541	18.6895	49,082	8051	9.5	13.2279	16.0107
47,870	7798	8.8	2.1772	15.4284	48,483	7919	9.6	6.7344	20.4588	48,788	8053	9.4	13.3124	6.2181
47,663	7801	9.5	2.9387	5.6693	48,312	7926	8.1	7.4913	8.8378	48,947	8054	9.6	13.6246	10.5201
47,693	7802	9.4	3.7053	6.7697	48,285	7927	9.1	7.6158	6.5798	49,216	8055	9.0	14.4936	21.3544
47,665	7809	8.7	4.6139	6.2439	48,382	7930	8.5	8.2664	13.6816	48,918	8057	9.4	14.6641	9.5951
47,910	7813	8.6	6.2003	17.4435	48,537	7937	8.2	10.8640	23.7440	49,132	8061	7.0	15.3935	17.5229
47,828	7815	9.2	6.4833	12.9434	48,419	7938	9.5	10.9326	15.9401	49,083	8062	9.1	15.4660	15.4602
47,936	7817	9.3	6.8051	17.8809	48,490	7939	8.4	10.9394	19.8246	48,705	8063	8.6	15.7297	2.8818
47,735	7818	9.0	6.9389	8.9584	48,404	7943	9.5	12.6148	14.9487	48,975	8065	9.1	15.8988	11.4046
47,696	7819	9.5	6.9834	6.7759	48,554	7948	8.6	13.6927	24.7779	49,021	8067	9.3	16.4995	13.5831
48,064	7820	7.8	7.4352	23.3205	48,493	7950	9.5	13.8946	19.7985	49,336	8068	9.5	16.5111	25.5237
47,698	7821	9.1	8.2313	6.5724	48,384	7952	7.9	14.2811	13.9065	49,337	8069	9.4	16.8350	25.4831
47,904	7822	9.2	8.4853	16.1364	48,376	7953	8.7	14.3186	13.0128	49,087	8071	8.5	17.5240	15.7554
47,968	7827	6.2	8.8373	18.6759	48,456	7955	8.7	14.4314	18.1458	48,737	8073	7.8	17.6613	4.0812
47,597	7828	9.2	8.8219	3.1735	48,525	7957	9.5	15.3818	22.6785	49,133	8075	9.5	17.7255	18.4975
47,643	7830	9.0	9.1898	4.6472	48,508	7959	9.2	15.7155	21.7148	48,708	8077	9.1	18.0750	2.8896
47,850	7833	8.6	9.7992	14.5149	48,457	7960	8.6	15.8333	17.7683	48,886	8081	9.4	18.4212	9.3391
47,740	7835	8.5	9.8819	8.7286	48,469	7961	9.5	16.2781	19.7210	49,339	8082	9.5	18.5260	24.6279
47,646	7837	9.5	10.3903	4.6402	48,470	7962	9.2	16.4498	18.7489	48,887	8084	7.4	18.8832	9.1754
47,785	7838	7.8	10.6460	11.2674	48,299	7964	9.4	16.6983	8.5084	48,888	8087	8.3	19.5807	8.9678
48,119	7842	9.2	11.5311	25.2851	48,329	7965	9.6	16.8717	10.1032	49,342	8092	9.7	20.3787	25.5158
47,721	7843	8.6	11.6133	8.2442	48,405	7966	8.8	17.0073	14.9180	48,820	8096	7.5	21.5855	6.6503
47,804	7844	9.0	11.6349	12.5153	48,580	7967	9.4	17.3916	24.8584	48,744	8098	9.1	21.6823	3.7439
47,671	7845	9.3	12.9732	5.5664	48,406	7968	9.5	17.4745	15.3942	49,255	8099	9.7	21.7918	22.4447
48,019	7848	9.7	13.9189	21.5520	48,249	7970	9.5	17.8092	4.4495	49,287	8101	9.4	22.5423	23.6189
47,806	7850	9.2	14.2278	12.0407	48,301	7971	9.6	17.9746	8.1534	49,094	8102	8.9	22.6084	16.1102
47,744	7851	7.3	14.4880	8.9966	48,319	7972	9.4	18.1417	8.5923	48,864	8103	7.6	22.7055	8.2357
47,649	7852	7.2	14.6925	4.4162	48,302	7973	9.0	18.6063	7.8331	48,895	8104	8.9	22.8599	8.8261
48,073	7855	9.8	14.8511	23.4131	48,583	7975	9.7	18.5961	25.7689	48,928	8106	9.4	23.4790	10.2352
47,703	7858	9.1	15.9584	6.7708	48,236	7977	9.1	18.9905	2.9502	49,062	8107	9.4	23.6031	14.7177
47,859	7859	8.4	16.0375	14.3205	48,288	7978	9.6	19.0833	6.7232	49,063	8108	6.5	23.6296	14.6788
47,918	7860	7.0	16.0571	16.9053	48,441	7981	9.2	19.4200	17.4790	49,029	8110	9.3	24.0705	13.7576
47,994	7862	9.4	16.2941	19.9807	48,320	7982	9.2	20.3764	8.7432	49,169	8111	9.6	24.5311	19.3139
48,131	7863	9.3	16.8167	24.9170	48,442	7985	9.3	20.6926	17.7249	R.A. 10 ^h 20 ^m				
48,132	7864	9.5	16.8486	25.3264	48,237	7990	8.4	21.7867	2.6794	49,559	8106	9.4	1.3469	10.2431
47,724	7866	9.3	17.3507	8.0506	48,586	7991	9.7	21.7918	25.8862	49,637	8107	9.4	1.5323	14.7236
47,972	7869	9.6	17.8612	19.1399	48,332	7994	8.9	22.2923	9.7643	49,638	8108	6.5	1.5582	14.6844
47,606	7870	9.5	18.2872	2.5831	48,499	7997	8.8	22.9219	20.3479	49,625	8110	9.3	1.9865	13.7572
47,997	7871	9.2	18.2654	20.0397	48,392	7998	9.5	23.6134	14.4812	49,698	8111	9.6	2.5228	19.3066
47,973	7874	9.3	18.5434	19.4336	48,335	8002	9.1	24.2241	10.5794	49,461	8113	8.7	2.8299	4.9735
48,107	7877	9.0	19.5635	24.4772	48,444	8004	9.4	24.4853	16.9687	49,533	8114	9.4	3.1200	9.4670
47,747	7889	9.3	21.8733	9.4626	48,323	8005	9.0	24.7857	9.3854	49,575	8116	9.6	3.814	

Reference No.				Reference No.				Reference No.						
Mag.		Standard co-ordinates, 1900-0.		Mag.		Standard co-ordinates, 1900-0.		Mag.		Standard co-ordinates, 1900-0.				
Hyd.	Cordoba.	ξ.	η.	Hyd.	Cordoba.	ξ.	η.	Hyd.	Cordoba.	ξ.	η.			
R.A. 10 ^h 20 ^m (continued)				R.A. 10 ^h 28 ^m (continued)				R.A. 10 ^h 36 ^m (continued)						
49,483	8120	9.3	4.2393	5.7095	49,925	8233	9.6	6.6193	7.9518	50,646	8365	8.5	14.0995	21.8869
49,788	8123	7.8	5.1837	24.2060	50,035	8236	8.3	7.5914	15.5869	50,521	8366	9.2	14.5133	14.0304
49,805	8124	9.6	5.2396	25.7457	50,066	8238	8.9	7.8421	18.1158	50,363	8367	9.1	14.8549	5.6504
49,579	8127	9.2	5.6165	11.0220	50,115	8242	7.5	8.4494	20.9982	50,483	8368	8.5	15.1914	11.5665
49,789	8128	9.4	5.7238	23.9567	..	8244	9.3	8.9602	18.8400	50,555	8378	9.5	17.7354	16.5334
49,738	8129	9.5	6.0377	21.4732	50,067	8245	9.2	8.9601	18.4400	50,681	8380	9.5	17.9746	23.8405
49,808	8130	9.4	6.8651	25.4065	49,937	8246	9.4	9.1708	8.9767	50,368	8384	8.6	18.4156	5.7565
49,671	8133	8.5	7.4365	16.9365	50,023	8247	8.9	9.7168	14.9473	50,505	8387	7.0	18.7310	13.3155
49,658	8134	9.1	7.4447	16.2459	50,118	8248	9.5	10.0918	21.5189	50,441	8390	9.2	19.5210	10.0413
49,721	8135	9.3	7.4930	20.4219	50,024	8249	8.4	10.1296	15.4355	50,684	8392	9.5	19.7024	23.7336
49,680	8137	9.5	7.6307	18.5683	49,938	8250	9.5	10.1542	8.4891	50,351	8393	9.3	20.0272	4.6294
49,778	8140	7.1	8.2816	22.9400	49,897	8252	9.5	10.3987	4.1555	50,527	8394	9.2	20.0139	14.4145
49,706	8141	9.0	8.8011	18.8640	49,975	8253	8.5	10.4584	10.6277	50,337	8396	9.2	20.3294	4.1952
49,464	8142	9.5	8.8279	4.9735	50,179	8254	9.4	10.5765	24.7258	50,410	8399	8.2	20.5419	8.2712
49,603	8147	8.1	9.9734	12.5378	50,180	8256	8.4	10.9138	25.4735	50,465	8401	8.7	20.8654	10.8769
49,630	8148	9.5	10.2717	14.1317	50,025	8257	8.7	11.0730	15.3745	50,487	8402	9.5	20.8655	12.1768
49,538	8149	9.6	10.3505	8.5858	50,181	8260	8.3	11.9636	25.2844	50,611	8403	9.5	20.9791	20.2192
49,792	8151	9.5	11.5881	24.1839	50,004	8261	8.0	12.0626	14.0496	50,579	8404	9.2	21.3595	17.8200
49,779	8154	9.7	12.0748	23.3108	49,976	8262	9.4	12.1430	11.2012	50,650	8405	8.9	21.8354	22.5107
49,444	8155	9.4	12.2408	2.5914	50,006	8263	8.8	12.4338	14.2148	50,372	8406	8.4	22.0901	6.3279
49,407	8156	9.1	12.3154	4.8894	49,942	8264	9.7	13.0794	8.7030	50,613	8409	9.5	23.0264	20.1995
49,662	8158	9.1	12.4256	15.7074	50,147	8266	9.0	13.2278	22.6943	50,580	8410	6.2	23.1169	18.5644
49,724	8161	9.1	13.1526	20.2085	50,041	8281	5.8	16.4681	15.7615	50,375	8411	9.2	23.2872	5.6203
49,618	8167	8.3	14.5328	13.3681	50,136	8283	8.0	17.0601	22.4412	50,377	8416	9.2	23.8217	6.2062
49,542	8169	9.2	14.9664	8.9901	50,009	8284	9.4	17.7554	13.9453	50,614	8417	9.2	24.0632	19.7223
49,650	8170	9.5	15.4198	15.3198	49,994	8288	9.3	19.0407	12.5755	50,703	8420	8.8	24.5613	25.7601
49,583	8171	9.8	15.5701	10.9483	49,944	8289	6.2	19.0990	8.9379	R.A. 10 ^h 44 ^m				
49,489	8177	9.4	17.1483	6.3387	50,121	8290	9.2	19.0774	21.2814	51,008	8410	6.2	1.0984	18.5768
49,609	8179	8.9	17.4597	11.7528	49,995	8291	9.2	19.2951	12.6465	50,831	8411	9.2	1.0923	5.6311
49,713	8182	9.0	18.0128	19.4841	49,961	8295	8.9	19.7059	10.0547	50,850	8416	9.2	1.6347	6.2099
49,676	8183	9.1	18.2339	17.3347	50,072	8296	9.6	19.7004	18.3742	51,020	8417	9.2	2.0606	19.7214
49,588	8186	9.1	19.0007	11.0602	50,012	8298	9.5	21.2345	14.5098	51,125	8420	8.8	2.6409	25.7517
49,525	8187	9.6	19.0455	7.7012	49,946	8300	9.9	21.9378	8.8092	50,992	8422	9.2	3.6495	18.0463
49,794	8188	9.2	19.2845	24.5371	50,189	8306	8.5	22.9790	25.6080	50,818	8423	9.1	3.6650	4.4199
49,473	8189	9.3	19.9013	5.1802	49,891	8310	9.0	23.8345	4.0614	50,915	8425	9.6	4.0080	11.5145
49,748	8190	9.3	19.9657	21.1005	49,882	8311	7.1	24.2901	2.7427	51,033	8427	9.6	4.2496	20.5487
49,666	8191	7.7	20.1831	16.2975	50,059	8312	9.5	24.4285	17.1527	51,086	8428	9.6	4.3490	24.3811
49,550	8193	8.3	20.6381	9.3137	50,192	8316	9.6	24.7974	25.5062	50,917	8431	7.7	5.6352	11.8920
49,714	8195	9.0	21.1169	19.7084	R.A. 10 ^h 36 ^m				51,010	8432	9.5	6.0227	18.8508	
49,678	8198	8.5	21.6097	17.3656	50,325	8310	9.0	1.6183	4.0651	50,837	8435	9.1	6.1779	5.3296
49,764	8202	9.2	22.8290	22.1223	50,300	8311	7.1	2.0565	2.7904	51,127	8436	8.8	7.0762	25.6814
49,476	8205	8.7	23.6689	4.6112	50,561	8312	9.5	2.3907	17.1470	51,046	8437	9.4	7.0678	21.6798
49,784	8206	8.5	23.7235	23.6331	50,692	8316	9.6	2.8736	25.4943	51,065	8441	9.7	7.5386	23.4604
49,667	8209	9.2	23.9665	16.0695	50,573	8318	8.0	2.9803	17.5170	51,047	8442	9.5	8.2111	22.3077
49,448	8210	8.7	24.0953	2.8187	50,634	8320	9.4	3.3366	21.5815	51,108	8443	7.8	8.4802	25.2736
49,797	8211	8.3	23.9647	24.0938	50,513	8322	9.4	3.6749	13.5336	51,110	8444	9.4	9.4072	24.9185
49,836	8213	8.9	24.5796	25.9958	50,471	8324	7.5	4.2219	11.3803	50,919	8447	9.5	10.8477	12.1914
49,593	8216	8.4	24.8936	10.7729	50,658	8328	9.8	4.6659	22.7135	50,803	8449	9.4	11.2588	3.9214
R.A. 10 ^h 28 ^m				50,432	8330	9.3	5.4453	10.0947	51,093	8450	9.6	12.1681	24.0954	
49,893	8205	8.7	1.4602	4.6170	50,498	8331	9.5	5.6657	13.3319	50,980	8452	9.5	12.4949	16.6924
50,157	8206	8.5	1.7743	23.6367	50,693	8333	8.3	6.9397	25.2061	50,842	8454	9.1	13.7936	6.1390
50,031	8209	9.2	1.9140	16.0704	50,590	8335	9.4	7.0907	19.2861	51,096	8455	9.3	13.9216	23.9779
49,871	8210	8.7	1.8621	2.8190	50,592	8337	9.5	7.4098	19.4124	50,844	8457	9.0	14.3127	5.4662
50,158	8211	8.3	2.0216	24.0938	50,675	8341	8.2	8.7536	24.1440	50,871	8459	8.4	14.4175	7.8488
50,197	8213	8.9	2.0625	25.9869	50,406	8342	9.2	8.9285	7.8243	51,001	8461	9.4	16.6374	17.7133
49,968	8216	8.9	2.7688	10.7617	50,328	8345	8.5	9.3193	4.0446	50,964	8468	7.8	19.9874	14.9142
49,873	8218	9.4	3.2426	2.6677	50,538	8347	8.9	10.0128	14.9207	50,882	8470	9.4	20.3158	9.2782
50,126	8220	9.1	3.5064	22.2501	50,478	8348	9.4	10.1063	11.9269	50,970	8472	9.5	20.6627	15.9933
50,017	8221	8.7	3.9392	15.1226	50,712	8349	9.6	10.2119	25.7841	50,951	8474	9.6	20.8801	14.1103
50,163	8222	9.7	4.6209	23.9222	50,479	8351	9.2	10.5714	12.1558	51,078	8475	8.2	21.7375	23.1030
50,175	8223	9.2	4.6252	24.7454	50,520	8353	7.5	10.8265	14.2288	50,793	8476	9.4	21.9997	2.9573
49,972	8225	9.8	4.7510	11.1216	50,407	8357	9.3	12.8577	7.3682	50,898	8477	9.2	21.9981	9.9194
50,095	8226	9.6	5.5525	20.1056	50,346	8358	8.5	13.0676	4.3836	50,883	8479	8.5	22.7991	9.1001
49,951	8229	9.5	6.1708	9.6641	50,697	8362	9.0	13.3252	25.2093	50,884	8480	8.9	23.2734	8.8243
50,050	8232	8.2	6.6042	17.0772	50,436	8363	9.5	13.6170	9.9024	50,886	8486	9.5	24.8103	8.7893

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 10^h 52^m					R.A. 11^h 0^m (continued)					R.A. 11^h 8^m (continued)				
51,228	8480	8.9	1.1222	8.8351	51,574	8598	9.3	9.2505	10.0762	51,902	8722	9.4	22.5479	6.1432
51,230	8486	9.5	2.6585	8.7793	51,489	8599	8.8	9.5603	4.3471	52,035	8723	8.5	22.4877	19.0529
51,275	8487	8.7	3.0127	13.6892	51,797	8602	9.2	9.9455	25.9368	52,099	8724	9.4	23.1383	24.4122
51,329	8488	9.2	4.3277	20.0808	51,515	8603	8.9	10.4513	5.4654	52,114	8728	9.3	23.8347	24.8584
51,246	8489	8.6	4.3599	10.8139	51,665	8604	9.6	10.4912	17.1587	51,976	8731	8.9	24.3800	13.3308
51,278	8491	9.3	4.5497	14.0571	51,631	8605	9.5	11.4062	14.5035	51,985	8733	9.5	24.9250	13.7123
51,364	8492	8.0	4.6242	22.6224	51,666	8607	9.1	11.7735	17.3195	R.A. 11^h 16^m				
51,330	8493	8.5	4.7891	19.8660	51,601	8608	9.2	11.8259	13.4264	52,402	8724	9.4	1.1996	24.4240
51,286	8494	8.8	5.0990	15.2807	51,552	8609	9.3	12.0121	8.1602	52,417	8728	9.3	1.9021	24.8604
51,269	8496	9.6	5.3575	13.1830	51,491	8611	7.5	12.2877	3.9270	52,277	8731	8.9	2.2902	13.3261
51,231	8498	8.0	5.3844	8.7938	51,781	8614	9.4	12.7744	25.4111	52,288	8733	9.5	2.8403	13.7001
51,239	8500	9.4	6.5154	10.1455	51,768	8615	9.5	12.9141	24.3060	52,392	8734	8.3	3.2519	23.0212
51,338	8503	9.4	7.2240	20.9183	51,782	8618	9.5	13.8056	25.5239	52,307	8735	9.6	3.7181	16.2340
51,190	8505	9.5	7.7640	4.3841	51,731	8620	9.4	14.2738	21.9120	52,318	8737	9.5	4.1076	16.5621
51,204	8506	8.2	8.1649	5.7091	51,681	8623	9.4	15.0944	18.5112	52,336	8738	7.8	4.4000	18.1674
51,291	8509	9.6	8.9701	10.3595	51,553	8624	8.9	15.1743	8.0907	52,319	8739	9.3	4.4110	16.7701
51,212	8511	8.5	8.9599	7.0848	51,554	8627	9.5	16.2624	7.9124	52,345	8744	9.6	6.3773	19.4090
51,232	8512	8.9	9.1850	8.9157	51,769	8628	9.4	16.2643	24.2565	52,383	8746	6.9	6.6268	22.5776
51,314	8514	9.2	9.3831	18.8830	51,563	8630	9.0	16.4066	9.1638	52,220	8748	8.8	7.4131	7.8417
51,340	8515	9.4	9.5990	20.9703	51,785	8632	9.4	17.8650	25.0141	52,320	8750	8.7	7.8829	17.3756
51,213	8517	9.6	10.2765	6.2891	51,613	8634	8.5	18.4346	13.1908	52,297	8753	8.0	11.2644	15.1316
51,315	8518	8.0	10.7867	19.0948	51,708	8635	7.6	18.6984	20.3327	52,262	8755	9.4	12.0482	10.6930
51,192	8519	8.2	10.9656	5.2057	51,593	8638	8.6	20.0885	11.4421	52,355	8757	9.4	12.7370	20.0999
51,241	8522	9.4	11.5770	9.4923	51,654	8640	9.3	21.1445	16.1274	52,223	8758	9.1	12.7868	8.3446
51,280	8523	9.5	11.7918	13.6341	51,671	8642	8.3	21.5290	16.8285	52,233	8759	7.7	12.8247	8.9723
51,242	8524	9.5	12.1047	9.4020	51,606	8643	9.4	21.6061	11.6604	52,340	8762	7.9	14.3753	18.3584
51,270	8525	9.6	12.1472	13.0922	51,617	8644	9.7	21.6776	13.0905	52,369	8765	8.0	15.4117	20.6894
51,317	8528	9.3	13.0844	18.7391	51,510	8645	8.7	21.7634	4.6083	52,271	8766	9.2	15.4401	11.5846
51,259	8529	8.6	13.1576	11.4160	51,789	8646	9.2	21.7542	25.7490	52,370	8769	9.3	15.7628	20.8480
51,311	8531	9.2	14.7492	17.8480	51,790	8648	8.5	22.7355	24.9502	52,370	8769	9.3	15.7628	20.8480
51,319	8533	8.2	15.6714	19.0404	51,511	8650	9.1	22.9474	5.0861	52,183	8770	8.6	15.9776	4.0878
51,394	8536	7.8	17.6700	25.1199	51,555	8652	9.4	24.2186	7.6466	52,190	8771	9.2	16.0856	5.2136
51,342	8537	7.9	17.7338	20.9892	51,637	8653	9.5	24.3612	14.0413	52,191	8775	8.5	16.7614	5.1569
51,194	8539	9.3	18.3916	5.1960	51,568	8654	9.2	24.5451	9.4043	52,300	8777	8.2	17.5063	15.1920
51,333	8541	9.8	18.7874	20.4359	R.A. 11^h 8^m					52,326	8778	9.3	18.2748	17.4551
51,243	8542	7.7	19.1799	9.6309	51,914	8652	9.4	2.0512	7.6448	52,194	8779	9.3	18.3959	4.4506
51,272	8543	9.2	19.6617	13.2807	51,978	8653	9.5	2.2810	14.0369	52,282	8780	9.5	18.4498	12.9289
51,235	8546	9.6	20.9351	8.7667	51,937	8654	9.2	2.4017	9.3978	52,302	8784	7.3	19.4954	14.9159
51,245	8547	9.6	21.0009	10.1335	51,989	8657	9.0	3.0767	14.8837	52,284	8787	8.9	20.0292	13.2165
51,252	8555	9.4	22.5378	10.4581	51,964	8659	8.5	3.9391	13.1233	52,253	8789	9.4	21.1026	10.2486
51,264	8556	8.1	22.9199	11.6099	52,118	8660	9.5	4.0529	25.5441	52,236	8791	9.4	21.6059	9.0754
51,197	8557	9.2	23.0877	4.5229	51,888	8664	8.2	5.1451	4.6313	52,227	8792	9.2	21.9264	7.7032
51,181	8558	8.5	23.1527	4.2108	51,950	8665	9.0	5.2088	10.6726	52,184	8793	9.1	22.4150	4.3444
51,182	8563	9.5	23.8732	3.5459	51,993	8668	9.3	5.9988	14.3898	52,413	8797	8.2	23.2498	24.2629
51,198	8564	9.6	24.2387	4.3249	51,877	8669	9.5	6.3168	3.9921	52,185	8798	7.1	23.6122	4.4368
51,237	8565	9.5	24.3589	8.4427	52,107	8672	9.4	8.4728	25.0531	52,389	8799	9.5	23.7940	22.1931
R.A. 11^h 0^m					52,074	8673	9.6	8.7045	23.3824	52,293	8801	9.5	24.5799	14.0892
51,483	8563	9.5	1.6499	3.5489	51,892	8674	4.1	9.4996	4.3603	52,398	8803	9.4	24.7723	22.9424
51,484	8564	9.6	2.0260	4.3231	51,956	8676	9.0	9.7785	11.7639	52,294	8804	9.4	24.8497	14.1932
51,556	8565	9.5	2.2024	8.4390	52,000	8682	8.8	12.6684	16.3197	R.A. 11^h 24^m				
51,596	8566	8.7	3.5218	11.5852	52,121	8683	9.4	12.6767	25.9735	52,728	8797	8.2	1.3092	24.2731
51,660	8568	9.3	4.0088	16.8811	52,013	8685	9.0	12.8489	16.7053	52,504	8798	7.1	1.4011	4.4434
51,745	8570	9.0	4.4488	23.1948	52,077	8688	8.9	14.5923	23.4199	52,703	8799	9.5	1.8251	22.1958
51,776	8571	9.5	5.0696	25.7145	52,002	8689	9.2	14.8765	15.7564	52,600	8801	9.5	2.5003	14.0819
51,532	8572	9.6	5.2081	6.9762	51,968	8690	9.2	15.0051	12.7670	52,715	8803	9.4	2.8135	22.9313
51,689	8573	9.5	5.3899	18.8837	51,910	8691	7.0	15.1290	6.4572	52,601	8804	9.4	2.7715	14.1821
51,586	8574	8.6	5.7152	11.4429	51,944	8693	9.4	15.2828	9.7806	52,615	8808	9.3	3.6303	14.7255
51,533	8577	9.6	6.1279	6.8453	52,019	8699	9.6	17.5338	17.5128	52,602	8809	8.5	3.7037	13.4230
51,549	8579	8.6	6.4619	7.6275	51,983	8704	8.4	18.1593	14.2425	52,541	8810	9.6	3.7089	8.5353
51,727	8581	9.3	6.8701	21.9338	51,921	8705	8.8	18.2973	7.5981	52,690	8813	9.0	5.0352	21.3420
51,628	8582	8.2	6.9661	13.9271	52,094	8706	8.8	18.4979	24.4281	52,616	8815	9.3	5.5974	15.3144
51,514	8587	9.3	7.5491	5.4393	52,112	8709	8.9	19.6581	25.0382	52,626	8816	9.6	5.7451	15.9548
51,678	8588	7.2	7.6558	18.4061	51,900	8711	9.4	19.9263	5.8349	52,629	8823	8.5	8.5314	16.2036
51,629	8592	9.6	8.3503	14.5594	51,901	8713	6.8	20.7302	5.4783	52,678	8824	7.5	8.5477	20.4359
51,649	8596	8.2	8.9534	15.9362	51,923	8716	9.7	21.3902	7.7831	52,771	8825	9.5	8.6566	25.9617
51,561	8597	9.4	9.0660	8.5529	52,065	8718	9.4	21.4805	22.2147	52,672	8826	7.3	8.9067	19.4362

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 11^h 24^m (continued)					R.A. 11^h 40^m (continued)					R.A. 11^h 48^m (continued)				
52,619	8827	9.5	9.2479	14.9484	53,086	8949	9.5	4.0463	7.6068	53,441	9079	9.6	21.7361	13.6086
52,594	8829	8.3	9.5993	12.6469	53,107	8950	8.8	4.1395	9.3545	53,374	9080	9.5	21.9073	6.9580
52,559	8830	8.6	10.3333	9.6652	53,177	8951	9.3	4.4754	16.7124	53,431	9086	8.9	24.6691	12.3679
52,495	8831	8.7	10.4286	3.4213	53,246	8952	7.2	4.5872	22.9887	R.A. 11^h 56^m				
52,632	8836	7.3	11.3841	16.3005	53,118	8954	9.2	5.5115	11.0449	53,763	9086	8.9	2.5661	12.3595
52,633	8839	9.2	12.2582	16.1412	53,139	8955	9.4	5.6429	13.3837	53,728	9088	8.5	3.1218	8.7758
52,759	8845	8.8	13.5664	25.3174	53,188	8956	9.5	5.8110	18.3674	53,797	9091	9.3	3.7952	14.6979
52,526	8846	9.1	14.0026	6.7145	53,040	8959	9.4	6.5693	3.8375	53,892	9093	8.4	4.3098	24.3944
52,634	8849	9.3	14.3520	16.0059	53,064	8963	9.5	8.9513	5.3129	53,716	9094	9.7	4.5885	7.7802
52,735	8850	6.2	14.8359	23.9637	53,224	8964	8.3	9.0658	20.9392	53,817	9095	8.5	5.0515	17.4072
52,736	8851	9.1	14.8724	23.9544	53,273	8966	9.3	9.9747	24.7269	53,717	9096	9.4	5.0143	7.5794
52,581	8853	8.8	15.3475	24.2067	53,225	8967	9.5	10.2261	20.7734	53,864	9098	9.2	5.4284	22.3756
52,497	8859	8.8	16.5149	12.1711	53,075	8970	8.7	10.6097	6.5783	53,808	9099	9.3	5.7899	16.3303
52,636	8861	9.2	18.3083	3.8036	53,153	8971	9.3	10.4075	15.3311	53,784	9100	8.9	5.8178	14.0149
52,607	8861	9.2	18.7119	15.7255	53,088	8973	8.9	11.0859	8.0363	53,708	9103	9.8	6.4926	6.7636
52,710	8864	8.5	19.0784	13.5787	53,205	8974	9.4	11.7313	18.5426	53,682	9105	9.5	7.1955	4.3124
52,498	8866	9.2	19.6878	21.9510	53,260	8975	8.4	13.3556	24.0169	53,755	9106	7.2	7.2784	11.2881
52,528	8866	9.2	20.2039	4.0006	53,251	8976	9.2	13.7616	22.9219	53,776	9109	9.4	8.9462	12.6808
52,761	8867	9.4	20.2678	6.3987	53,070	8981	8.8	14.0162	6.9051	53,709	9113	9.5	10.4959	6.8067
52,575	8869	8.3	20.7367	24.8684	53,066	8982	8.5	14.5123	6.1965	53,834	9115	9.7	10.5371	18.9754
52,656	8873	8.6	22.6769	11.0386	53,264	8988	7.4	16.9419	24.1546	53,811	9117	8.8	10.9292	16.5341
52,587	8875	8.5	23.5437	17.4080	53,079	8989	7.8	16.9968	7.2190	53,897	9120	8.5	11.2463	23.8162
52,657	8876	7.4	23.9806	11.7390	53,192	8991	9.2	18.0628	17.5681	53,898	9121	8.5	11.2669	23.8459
	8877	8.5	24.0960	17.2897	53,265	8992	9.5	18.1078	23.6383	53,788	9126	9.6	12.8689	13.9393
R.A. 11^h 32^m					53,058	8996	9.6	18.9124	4.6761	53,742	9127	9.0	13.0373	10.4480
52,911	8875	8.5	1.5096	17.4146	53,113	8997	9.5	19.2013	9.9614	53,765	9128	9.8	13.2431	12.4377
52,881	8876	7.4	1.8691	11.7401	53,081	9000	8.4	19.4230	6.8432	53,818	9129	9.0	13.4682	17.4105
52,912	8877	8.5	2.0602	17.2886	53,090	9007	7.4	22.4581	7.4512	53,720	9130	8.5	13.6391	7.7567
52,855	8879	8.3	2.8787	8.0512	53,235	9014	9.6	24.0129	20.7092	53,813	9133	9.7	15.1572	15.7334
52,882	8880	9.4	3.1265	12.1176	R.A. 11^h 48^m					53,800	9136	9.0	16.0974	15.4742
52,866	8881	8.7	3.4068	8.6546	53,537	9014	9.6	2.0237	20.7090	53,869	9140	9.3	16.4975	22.5215
52,883	8885	8.0	4.1479	11.8270	53,382	9021	9.3	3.8701	8.5485	53,857	9142	8.8	16.8004	19.0254
52,955	8887	9.4	5.6920	25.1982	53,365	9022	8.5	4.3666	6.8506	53,830	9149	9.5	18.4403	18.4845
52,897	8890	9.3	6.0502	14.9003	53,419	9024	9.6	4.6176	13.1339	53,839	9151	9.2	19.2329	19.5492
52,892	8892	8.5	6.8977	13.5908	53,384	9025	8.6	5.9601	8.2056	53,914	9153	10.0	19.3951	25.2304
52,888	8893	8.4	7.1250	13.2120	53,408	9026	8.0	6.2400	12.1101	53,883	9154	9.2	20.4114	23.2714
52,906	8895	8.6	8.4065	16.3706	53,346	9028	9.4	6.4816	4.6900	53,871	9155	9.5	21.1704	21.9735
52,956	8896	8.6	8.6190	25.2237	53,421	9029	9.1	6.8204	12.4994	53,694	9157	9.0	21.7843	5.0945
52,913	8897	9.7	8.6309	18.0011	53,394	9030	8.9	6.8244	9.1818	53,713	9158	9.3	22.5700	7.1114
52,889	8898	8.9	8.6413	12.6499	53,550	9032	9.3	8.0094	21.9358	53,723	9160	9.6	23.3842	8.3786
52,942	8903	9.4	10.5799	24.2278	53,475	9033	8.1	8.5276	16.4840	53,841	9161	9.0	23.8462	19.7445
52,853	8904	9.0	10.9292	4.5606	53,461	9034	9.3	8.7346	16.0590	53,780	9162	9.5	23.9012	13.3534
52,893	8908	8.9	11.3542	14.0148	53,402	9035	9.0	8.9605	11.0427	53,886	9163	9.4	24.0008	23.2913
52,943	8911	7.0	12.3425	23.6222	53,476	9037	9.5	9.2009	16.4783	R.A. 12^h 4^m				
52,839	8913	6.8	12.9598	5.7551	53,320	9039	9.7	9.5399	2.8609	54,047	9160	9.6	1.2270	8.3879
52,870	8916	8.1	14.1544	9.0711	53,377	9040	9.2	9.6581	17.0009	54,171	9161	9.0	1.8439	19.7466
52,899	8918	9.0	14.8279	14.4113	53,436	9041	9.5	9.9842	13.6435	54,086	9162	9.5	1.8116	13.3553
52,900	8924	9.5	16.8824	14.4933	53,510	9045	9.0	11.5602	19.0219	54,195	9163	9.4	2.0468	23.2910
52,909	8925	8.9	17.4733	16.4686	53,490	9046	9.4	11.6243	17.3380	54,088	9167	9.3	2.8828	12.4178
52,933	8927	8.5	18.5995	22.0295	53,584	9047	8.4	12.2915	24.0581	54,122	9168	8.0	3.8580	15.7190
52,841	8930	9.2	20.0357	6.3046	53,570	9048	9.4	12.8514	22.9530	54,113	9172	9.7	4.2166	14.8080
52,816	8931	9.4	20.2417	3.1128	53,324	9052	9.8	13.7253	3.8475	54,000	9174	9.6	4.5210	4.5620
52,922	8932	9.2	20.4036	20.2987	53,601	9053	8.5	13.7157	25.3817	54,100	9175	8.6	4.7297	13.5328
52,853	8934	9.1	23.4749	7.0042	53,602	9054	9.5	13.7445	25.3872	54,142	9177	9.2	5.1012	18.3537
52,854	8935	8.7	23.5487	7.3728	53,513	9057	9.6	14.3936	18.3864	53,989	9178	7.2	5.0554	3.9009
52,937	8940	9.0	24.4877	22.6332	53,479	9058	9.0	14.4359	17.2438	54,114	9183	9.5	6.1787	14.7218
52,920	8941	9.1	24.8487	19.3293	53,588	9060	8.6	15.1707	23.8422	54,021	9184	8.9	6.4216	6.7989
R.A. 11^h 40^m					53,424	9061	9.1	15.5195	12.3579	54,077	9185	8.9	6.6694	12.1521
53,071	8934	9.1	1.2988	7.0124	53,378	9064	8.9	15.9529	7.5102	54,038	9186	8.4	6.8603	7.5699
53,085	8935	8.7	1.3776	7.3799	53,545	9065	9.7	16.6939	21.2728	54,078	9187	9.5	6.8834	11.8752
53,245	8940	9.0	2.5246	22.6261	53,425	9067	7.6	17.7469	12.9350	54,124	9190	6.8	7.1969	15.5392
53,200	8941	9.1	2.8406	19.3174	53,413	9069	9.4	18.9001	11.6270	54,158	9191	8.7	7.3306	18.8126
53,125	8944	8.6	3.0496	11.4430	53,484	9070	9.6	19.2069	17.2538	54,174	9194	8.5	8.4384	20.0156
53,038	8946	9.3	3.6734	3.4625	53,575	9073	9.1	19.6656	22.6754	54,144	9196	6.8	8.8488	17.9471
53,026	8947	9.1	3.8358	2.8615	53,414	9074	7.5	19.7527	11.7490	54,175	9199	9.0	9.3547	20.0785

-23°.

STANDARD CO-ORDINATES.

12^h 4^m—12^h 44^m

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 12 ^h 4 ^m (continued)					R.A. 12 ^h 20 ^m					R.A. 12 ^h 28 ^m (continued)				
53,991	9201	9.1	9.5726	3.8520	54,678	9326	9.4	1.7598	18.6017	54,808	9473	8.5	21.4103	6.0429
54,217	9203	8.0	10.0889	24.4478	54,653	9327	8.6	1.9359	14.4273	54,879	9476	9.1	22.1783	12.3942
54,191	9204	9.2	10.3361	22.4739	54,607	9330	9.6	2.3407	7.4869	54,799	9477	9.8	22.2837	4.7120
54,105	9209	9.8	11.3142	14.3861	54,688	9332	9.2	2.9608	21.0232	54,956	9480	8.1	23.0694	20.2117
54,106	9210	8.5	12.0852	14.1416	54,590	9334	7.5	3.2684	5.0392	54,895	9484	8.8	24.2383	14.5175
54,002	9212	9.1	12.6929	4.8389	54,631	9335	9.4	3.6703	10.3259	54,936	9485	9.1	24.5400	18.1324
54,066	9213	8.6	13.5286	10.8518	54,608	9340	9.2	4.9284	7.9653	R.A. 12 ^h 36 ^m				
54,126	9214	8.8	13.5679	15.7664	54,691	9342	7.2	5.4178	21.1979	55,135	9484	8.8	2.1646	14.5148
54,013	9215	9.1	14.5086	5.6381	54,623	9343	8.3	6.1236	9.4200	55,151	9485	9.1	2.5156	18.1251
54,082	9216	9.3	15.4011	12.1268	54,684	9344	9.0	6.2066	19.3920	55,152	9487	9.0	2.9577	18.2958
54,201	9219	9.0	15.6587	23.4384	54,624	9346	9.5	6.5391	9.3929	55,187	9491	9.1	3.2314	23.2614
53,973	9220	3.1	15.7274	1.7626	54,625	9347	10.0	6.5612	9.3632	55,153	9493	9.0	4.8702	17.9562
54,205	9225	9.3	17.9415	22.8475	54,692	9349	9.1	7.0797	21.0458	55,121	9497	9.7	6.4161	13.1711
54,109	9226	6.0	18.2838	13.5546	54,666	9355	9.8	8.5142	16.2773	55,106	9499	9.3	7.2396	10.7558
54,129	9229	9.4	19.8013	15.5481	54,577	9356	8.7	8.5211	3.5816	55,129	9501	9.9	7.2722	13.9545
54,151	9230	8.5	19.9786	17.8997	54,695	9359	8.7	9.9971	21.2785	55,163	9502	9.5	8.0959	18.7644
54,028	9233	9.2	21.5897	6.6448	54,730	9360	9.4	10.2238	24.7402	55,141	9503	7.6	8.3530	16.1318
54,166	9234	9.5	21.6713	19.2349	54,587	9361	8.5	10.3396	4.4427	55,086	9507	9.1	9.1293	6.4733
54,007	9235	9.1	21.9980	4.6860	54,579	9365	9.3	10.6938	3.9758	55,122	9509	8.2	9.2243	13.1017
53,997	9238	8.6	22.6992	4.1835	54,642	9368	9.8	11.3211	12.2235	55,111	9510	8.6	9.4759	11.9899
54,219	9241	8.9	23.2802	24.3655	54,655	9369	8.6	11.4978	14.5260	55,063	9516	9.2	12.9560	2.9770
54,220	9245	9.4	24.4044	24.5651	54,667	9372	8.7	11.9335	16.3767	55,123	9518	9.0	13.1883	12.6430
R.A. 12 ^h 12 ^m					54,712	9376	8.5	13.2026	23.0494	55,083	9522	9.4	13.4706	5.7649
54,476	9241	8.9	1.3410	24.3752	54,626	9377	9.8	13.2136	9.2127	55,146	9523	8.3	14.1575	16.8604
54,477	9245	9.4	2.4678	24.5589	54,589	9380	8.4	14.1879	4.1656	55,137	9524	9.5	14.6414	14.6911
54,348	9250	9.5	3.3915	11.2855	54,707	9383	8.1	16.0344	21.6120	55,064	9525	8.6	14.8573	3.1526
54,443	9252	9.1	3.6319	21.3296	54,635	9388	9.6	17.8965	11.2356	55,076	9528	8.7	15.5182	4.9015
54,427	9256	9.1	5.0771	18.8660	54,724	9389	9.7	17.9793	23.9305	55,101	9529	9.5	15.9267	9.9970
54,286	9263	9.6	7.2243	4.7383	54,640	9396	9.6	20.6803	11.3103	55,210	9530	8.6	16.5091	25.7888
54,321	9266	9.1	7.8720	7.8352	54,618	9397	8.5	20.9033	9.1362	55,175	9531	9.4	16.7611	21.3486
54,400	9267	9.1	8.2467	15.7584	54,619	9398	9.1	21.0260	8.6928	55,077	9532	9.8	16.9214	4.6039
54,307	9268	9.4	8.6572	7.0538	54,595	9401	7.7	22.5732	5.4701	55,189	9534	9.1	17.2330	23.3058
54,287	9269	9.1	8.7562	5.1597	54,572	9405	8.9	23.7753	3.1394	55,143	9537	8.0	17.9398	16.5323
54,349	9270	9.0	9.1299	10.5659	R.A. 12 ^h 28 ^m					55,116	9540	8.6	18.7097	12.0501
54,401	9272	9.2	9.3368	16.4560	54,781	9405	8.9	1.5466	3.1439	55,132	9544	9.4	19.3891	14.3776
54,493	9273	9.2	9.3976	25.1185	54,842	9408	9.6	2.8892	8.6976	55,133	9545	9.0	19.5137	13.6788
54,276	9274	9.1	9.3826	3.9827	54,902	9410	9.3	3.7450	16.0437	55,134	9546	9.3	19.6618	14.3707
54,436	9278	9.0	10.0693	19.6886	54,898	9415	6.3	4.8756	14.7422	55,079	9547	8.5	19.7744	4.7744
54,308	9279	9.7	10.2337	6.9332	54,883	9417	9.2	5.2994	12.9563	55,149	9548	9.3	19.8793	16.6562
54,277	9280	9.5	10.3083	4.2960	55,008	9418	9.5	5.4299	25.0410	55,184	9549	8.5	19.9569	21.8697
54,278	9284	9.5	10.5783	4.1150	54,866	9420	9.7	6.1889	10.4679	55,088	9552	8.7	20.5679	7.2552
54,458	9288	9.4	12.6137	22.0968	54,915	9421	9.9	6.5051	17.0016	55,172	9554	9.0	20.8875	19.9283
54,361	9289	9.7	12.6371	12.0603	54,857	9423	9.1	7.0980	9.9466	55,138	9557	9.5	21.8538	14.7060
54,362	9294	9.2	13.9103	12.3323	54,816	9424	9.6	7.6502	6.3774	55,103	9559	8.8	22.3036	9.4850
54,495	9295	9.6	14.0198	24.8178	54,832	9427	9.4	9.8986	7.3670	55,164	9560	9.5	22.5318	19.0556
54,416	9296	9.4	14.0669	18.5512	54,773	9428	9.6	9.9373	2.8770	R.A. 12 ^h 44 ^m				
54,341	9298	9.1	14.9708	9.9835	54,975	9429	9.2	10.1640	22.4555	55,464	9565	8.2	3.1258	24.9044
54,419	9299	7.3	15.0421	18.4987	54,917	9431	9.2	11.0332	17.0366	55,443	9568	9.6	3.6696	23.4858
54,299	9302	8.6	16.2811	5.7207	54,963	9432	7.4	11.2636	20.7822	55,268	9570	8.6	5.4620	2.9292
54,389	9303	9.3	16.7325	14.8793	54,885	9435	9.3	12.4937	13.0924	55,299	9573	9.7	8.0618	5.3923
54,438	9305	8.8	16.9647	19.9172	54,774	9437	8.7	12.6702	2.7425	55,358	9581	8.6	11.0920	13.1631
54,311	9306	9.2	17.0309	6.5074	54,886	9440	9.4	13.5835	13.3944	55,364	9584	9.3	12.1755	13.5395
54,471	9307	9.6	17.7289	22.9566	54,819	9441	8.8	13.6132	6.4062	55,325	9585	7.8	12.2287	9.3245
54,289	9309	8.7	18.1203	4.9981	54,888	9444	8.5	14.5280	12.5268	55,435	9590	9.3	13.6526	22.2103
54,390	9311	9.0	18.2931	14.9575	54,834	9445	9.5	14.7618	7.5148	55,447	9592	8.1	13.9393	23.4031
54,343	9312	9.4	18.8103	10.4503	54,849	9447	7.8	15.2917	12.9426	55,427	9594	8.2	15.7638	21.0418
54,324	9314	9.0	19.3119	7.8349	54,977	9451	8.4	15.7332	21.8230	55,428	9598	9.5	16.1930	21.4720
54,420	9315	9.2	19.4181	18.4094	54,804	9453	9.0	15.9223	6.0273	55,354	9607	9.6	19.1900	11.9378
54,353	9317	8.9	19.8969	11.5450	54,871	9454	2.4	16.1315	11.1270	55,366	9609	9.2	20.0128	13.9282
54,325	9321	8.8	21.0265	8.4935	54,889	9458	8.5	16.6001	20.0431	55,327	9613	9.6	21.0717	8.4897
54,392	9322	9.6	21.6644	14.7913	54,978	9459	9.1	17.2290	21.7262	55,308	9615	9.3	21.2429	6.4069
54,382	9323	9.6	21.9942	14.3501	54,876	9461	9.0	17.2957	12.0987	55,472	9616	9.5	21.2358	25.6501
54,423	9326	9.4	23.7778	18.5984	54,835	9463	8.6	18.0135	8.2565	55,317	9619	7.0	21.9896	8.1367
54,385	9327	8.6	24.0108	14.4270	54,805	9465	9.7	18.3779	6.1288	55,318	9620	9.6	22.3556	8.3945
54,318	9330	9.6	24.5098	7.4926	54,909	9468	8.8	20.3047	16.4344					

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 12^h 44^m (continued)					R.A. 13^h 0^m (continued)					R.A. 13^h 16^m (continued)				
55,430	9622	9.0	23.3169	21.4788	55,819	9754	8.6	21.6848	14.7631	56,322	9867	9.3	13.7570	14.2562
55,529	9625	8.6	23.4703	8.5065	55,830	9755	7.5	22.0462	16.4845	56,319	9868	9.5	13.7599	12.9025
55,503	9627	9.4	24.0528	5.8661	..	9756	7.1	22.0944	7.8758	56,258	9873	8.6	16.0533	6.1612
55,295	9629	9.5	24.7412	4.9919	55,758	9757	5.0	23.1575	8.0308	56,259	9874	8.7	16.1481	6.1397
R.A. 12^h 52^m					55,767	9758	8.0	23.6651	9.1402	56,328	9876	8.5	17.0271	14.7227
55,569	9625	8.6	1.3146	8.5146	55,797	9760	9.0	23.8240	12.0207	56,244	9878	9.3	17.9170	5.2188
55,541	9627	9.4	1.8612	5.8667	..	9761	8.3	24.2670	4.8556	56,324	9889	9.0	21.4366	13.7636
55,532	9629	9.5	2.5376	4.9834	55,898	9763	9.6	25.2003	25.4604	56,309	9892	8.8	22.5362	10.9651
55,562	9631	8.2	2.9650	7.8221	55,768	9764	9.1	25.7706	8.7704	56,337	9896	9.1	23.7774	16.2350
55,579	9634	9.5	4.5890	10.5348	R.A. 13^h 8^m					56,263	9899	9.2	24.1226	5.6038
55,668	9635	8.4	5.0731	25.5111	56,035	9757	5.0	0.9954	8.0432	56,264	9900	9.5	24.7756	5.7383
55,610	9640	9.8	6.3403	15.5508	56,045	9758	8.0	1.5181	9.1457	56,220	9901	9.4	24.8400	3.1188
55,620	9641	10.0	6.8929	17.0768	56,070	9760	9.0	1.7163	12.0238	56,349	9902	9.5	24.9580	18.6419
55,662	9642	9.6	7.0186	23.7148	55,993	9761	8.3	2.0615	4.8533	R.A. 13^h 24^m				
55,604	9644	9.1	7.5832	14.9519	56,187	9763	9.6	3.2758	25.4427	56,540	9892	8.8	0.4141	10.9858
55,523	9645	9.0	7.6709	3.0824	56,037	9764	9.1	3.6183	8.7476	56,580	9896	9.1	1.7272	16.2385
55,670	9647	9.1	8.0965	24.8159	56,064	9765	8.5	4.0504	11.6046	56,494	9899	9.2	1.9273	5.6034
55,543	9648	9.3	8.1524	5.8421	56,105	9768	8.4	4.5966	16.9629	56,495	9900	9.5	2.5821	5.7292
55,544	9651	9.5	8.9700	5.9547	56,088	9769	8.0	4.5864	14.1219	56,467	9901	9.4	2.6108	3.1093
55,595	9652	9.5	9.0002	13.6802	56,112	9772	8.6	5.0146	17.7348	56,605	9902	9.5	2.9404	18.6287
55,639	9653	9.5	9.3990	20.2147	56,119	9773	8.7	5.2370	18.7418	56,519	9908	9.1	3.8276	7.8850
55,663	9660	7.4	11.2395	23.9139	56,157	9776	8.2	5.7213	22.8900	56,530	9910	8.6	4.1740	9.6834
55,535	9664	9.6	11.8504	4.6780	56,134	9777	7.9	5.8725	20.7664	56,484	9912	9.4	5.0524	5.1649
55,676	9666	8.3	12.1979	25.1574	56,080	9780	9.3	7.1549	13.7059	56,531	9913	8.6	5.0951	9.5660
55,621	9669	9.7	13.1649	16.6717	56,191	9784	7.6	8.8338	25.4556	56,634	9914	8.1	5.3890	22.2741
55,527	9671	6.4	13.6046	3.5448	56,056	9787	9.2	10.1636	10.7035	56,485	9915	9.4	5.3905	4.9707
55,628	9673	9.6	14.4327	17.7905	56,180	9790	9.5	12.0208	24.6781	56,647	9916	9.6	6.1109	24.5492
55,605	9675	9.8	14.8364	14.6003	56,011	9792	8.0	12.4513	5.8252	56,635	9918	8.5	6.4484	22.2415
55,554	9677	7.0	15.3068	7.1721	56,151	9796	7.0	15.8546	22.0611	56,573	9919	9.3	6.4898	15.2439
55,664	9680	9.5	15.8240	24.3546	56,106	9798	8.0	17.1241	16.8774	56,667	9921	9.4	7.3677	25.8706
55,578	9681	8.6	16.3971	10.1658	56,000	9800	9.5	17.7537	4.4356	56,563	9922	9.5	8.8314	12.9667
55,665	9682	9.5	16.3775	23.8953	56,124	9802	8.1	18.2704	18.6652	56,609	9925	8.7	9.3798	19.4451
55,540	9683	8.8	16.5647	4.8205	56,139	9803	9.0	18.4136	20.8097	56,564	9929	9.6	11.3282	12.8231
55,606	9684	9.6	17.9482	15.1442	56,140	9808	9.1	19.9047	20.7944	56,525	9931	9.1	12.4112	8.8334
55,530	9686	9.4	18.8943	3.6711	56,002	9810	9.6	20.6502	4.4824	56,533	9935	Var.	13.6851	10.1764
55,631	9689	7.2	20.8718	17.5102	56,077	9812	8.6	20.7949	13.2510	56,651	9938	8.5	15.3213	24.0197
55,644	9690	9.3	20.9521	20.5784	56,003	9813	9.4	21.1457	4.7699	56,534	9939	9.4	15.5392	9.7827
55,640	9691	8.8	20.9772	19.9595	55,990	9821	8.7	24.1856	3.6943	56,566	9940	9.4	15.6391	12.7344
55,654	9692	9.1	20.9798	21.8259	56,032	9822	8.6	24.1960	7.9731	56,574	9941	7.6	15.7892	14.5934
55,656	9698	9.7	23.8493	22.3493	56,107	9823	9.6	24.2247	17.2743	56,526	9942	9.1	16.1725	9.2617
55,588	9700	9.4	24.0234	12.3922	56,165	9825	8.6	25.2287	22.5646	56,553	9944	9.1	16.3605	12.2625
R.A. 13^h 0^m					56,079	9828	8.8	25.7327	12.7009	56,487	9947	9.4	17.4458	4.6954
55,879	9698	9.7	1.8825	22.3512	56,108	9829	8.9	25.7060	17.1905	56,645	9949	9.6	17.4183	23.4753
55,800	9700	9.4	2.5206	12.3846	56,142	9830	8.6	25.6969	20.6513	56,511	9951	9.6	17.9635	7.0899
55,892	9707	9.6	4.1024	24.4999	R.A. 13^h 16^m					56,488	9952	9.4	18.1456	4.6138
55,734	9710	9.5	5.4620	5.5325	56,224	9821	8.7	1.9644	3.6932	56,602	9953	9.4	18.3034	18.5303
55,859	9716	8.3	6.7569	20.3509	56,276	9822	8.6	2.0331	7.9716	56,502	9956	9.2	19.5033	5.9251
55,782	9717	8.8	6.9350	10.2735	56,339	9823	9.6	2.1886	17.2715	56,504	9957	8.6	20.1633	5.5478
55,850	9718	9.3	7.0659	19.1569	56,377	9825	8.6	3.2646	22.5470	56,512	9958	9.2	20.2767	6.4564
55,886	9719	9.3	7.7155	23.5945	56,316	9828	8.8	3.6341	12.6781	56,513	9961	9.2	20.3655	6.4591
55,841	9720	9.2	7.8013	17.8439	56,345	9829	8.9	3.6713	17.3671	56,595	9962	8.8	20.5478	16.9849
55,810	9722	9.4	8.3575	13.6859	56,365	9830	8.6	3.7066	20.6274	56,612	9969	9.3	22.5365	18.9596
55,801	9724	9.1	8.7790	12.8262	56,357	9833	9.1	4.9933	20.2903	56,576	9973	9.3	23.3598	15.0944
55,895	9725	9.2	8.8343	24.5744	56,290	9835	3.3	6.0303	8.7417	56,639	9974	8.6	23.4390	22.4448
55,896	9726	7.4	9.0212	24.7800	56,317	9841	9.0	6.5408	13.1656	56,652	9976	8.6	23.9845	23.7941
55,773	9727	9.2	9.2024	10.0280	56,327	9844	9.0	7.3582	14.6078	56,475	9977	9.2	25.0887	2.7475
55,897	9731	9.5	10.4056	25.0054	56,358	9846	9.3	7.7771	20.1572	R.A. 13^h 32^m				
55,726	9732	8.6	10.7644	4.4898	56,305	9849	9.1	8.4724	10.8533	56,851	9969	9.3	0.5234	18.9800
55,727	9734	9.0	11.7511	4.3163	56,346	9850	9.4	8.7524	17.7900	56,812	9973	9.3	1.2940	15.1036
55,812	9737	9.5	12.7213	14.3930	56,347	9851	9.5	9.0101	17.6873	56,884	9974	8.6	1.4735	22.4525
55,737	9739	9.0	13.8120	5.3879	56,400	9853	8.1	9.8798	24.8012	56,894	9976	8.6	2.0374	23.7939
55,817	9743	9.5	14.9768	14.5079	56,332	9857	7.3	11.1213	15.8538	56,709	9977	9.2	2.8543	2.7347
55,882	9745	9.1	15.2962	22.0654	56,392	9861	7.5	11.9749	24.3503	56,736	9981	9.1	4.7084	4.6608
55,803	9748	9.4	16.1456	13.1550	56,385	9862	9.3	12.4448	23.4092	56,896	9983	9.3	5.8920	24.1336
55,814	9752	8.2	20.5422	13.6683	56,236	9864	7.5	12.8959	4.2503	56,843	9984	9.4	6.0906	17.7864

Reference No.		Mag.	Standard co-ordinates, 1900.0.		Reference No.		Mag.	Standard co-ordinates, 1900.0.		Reference No.		Mag.	Standard co-ordinates, 1900.0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 13 ^h 32 ^m (continued)					R.A. 13 ^h 48 ^m (continued)					R.A. 14 ^h 4 ^m				
56,816	9,991	9.2	9.4243	14.6700	57,395	10,117	8.9	5.1298	23.2704	57,670	10,232	7.0	0.5292	2.7566
56,745	9,992	9.2	10.4929	5.4716	57,323	10,119	9.2	5.3923	12.3505	57,820	10,233	9.5	0.9017	22.7342
56,806	9,998	7.0	12.0995	14.2533	57,353	10,120	9.0	6.0130	18.0932	57,720	10,235	8.5	1.3971	9.2651
56,844	9,999	9.2	12.1803	17.4626	57,413	10,124	6.7	7.0632	23.6458	57,721	10,237	8.5	1.9820	8.9565
56,845	10,000	9.3	12.2424	17.8763	57,292	10,126	9.4	8.1735	8.4471	57,671	10,239	9.0	3.0404	2.4732
56,770	10,001	9.1	12.4309	9.8564	57,335	10,128	8.7	8.7448	14.5463	57,684	10,240	8.5	3.1594	3.9951
56,807	10,005	9.2	13.6241	14.1834	57,355	10,130	9.2	9.6996	18.2365	57,821	10,243	8.5	3.7598	23.2599
56,722	10,006	8.4	13.7881	4.0600	57,383	10,132	9.5	10.2649	22.0513	57,774	10,246	8.7	4.4024	15.5978
56,864	10,007	8.6	13.9172	20.4419	57,276	10,135	9.0	10.6831	7.5147	57,722	10,249	8.7	6.0212	8.6757
56,771	10,008	8.0	14.2536	9.5322	57,326	10,137	8.2	11.7349	13.2325	57,853	10,250	8.9	6.4593	25.8283
56,760	10,009	8.8	14.9601	7.3458	57,344	10,139	8.5	12.7036	15.7087	57,789	10,251	8.7	6.7157	18.0055
56,817	10,010	8.0	15.0463	15.1913	57,349	10,143	9.1	13.5500	16.9214	57,755	10,253	8.5	6.8600	12.9833
56,724	10,012	8.5	15.2018	4.2090	57,332	10,145	8.0	14.3094	13.6038	57,769	10,256	9.5	7.6857	15.5028
56,740	10,019	9.4	17.1898	4.5672	57,226	10,147	9.2	14.8100	2.7863	57,741	10,257	7.7	8.0060	10.8660
56,849	10,020	9.6	17.7473	18.4215	57,356	10,148	9.3	14.9471	17.8130	57,790	10,263	9.1	9.6495	18.4064
56,881	10,022	9.6	18.8703	22.0774	57,364	10,150	9.4	16.5324	19.1534	57,693	10,265	9.0	10.6413	4.4729
56,730	10,023	9.2	19.2966	3.9206	57,418	10,152	9.5	17.1479	24.2083	57,801	10,266	8.6	10.8109	20.3851
56,906	10,027	9.0	20.2157	24.7993	57,336	10,153	7.6	17.4247	15.1130	57,694	10,270	8.5	11.7216	4.4911
56,716	10,028	8.7	20.3979	2.5690	57,441	10,154	9.6	17.4798	25.6732	57,748	10,274	9.4	12.3126	12.3028
56,882	10,029	8.3	20.3243	22.1084	57,236	10,159	9.2	18.4846	4.2376	57,797	10,281	9.2	14.7777	19.0921
56,754	10,031	9.0	20.9084	7.3390	57,280	10,163	9.0	19.0454	7.7272	57,749	10,282	9.2	14.8942	11.5661
56,795	10,037	6.7	24.0381	12.3662	57,312	10,164	8.6	19.0497	11.1659	57,709	10,285	8.3	15.8500	6.6506
56,811	10,038	9.3	24.2311	14.2935	57,402	10,166	9.0	19.0371	23.4736	57,757	10,286	9.1	16.0041	13.2468
56,761	10,041	8.7	25.4777	8.3748	57,365	10,170	9.4	19.7650	19.0466	57,798	10,288	9.8	16.4134	19.0465
R.A. 13 ^h 40 ^m					57,352	10,173	9.5	22.1635	17.1933	57,772	10,289	8.0	17.5094	15.0500
57,070	10,037	6.7	1.9351	12.3665	57,283	10,174	7.5	22.4673	8.3964	57,695	10,291	8.4	17.5770	5.2496
57,079	10,038	9.3	2.1544	14.2908	57,420	10,175	7.5	22.5782	24.1265	57,726	10,293	9.6	17.8697	8.6485
57,031	10,041	8.7	3.3201	8.3560	57,377	10,177	9.1	22.9870	21.2379	57,794	10,295	9.0	18.3581	17.7944
57,128	10,043	9.4	4.2289	20.4595	57,284	10,179	6.6	23.7977	7.4498	57,825	10,297	9.1	18.5834	23.2327
57,150	10,044	8.8	4.4205	23.4764	57,320	10,181	9.1	25.5591	11.8292	57,837	10,299	9.5	18.9877	23.9835
57,171	10,045	9.0	5.0237	25.4807	57,380	10,182	9.1	25.7807	21.4108	57,703	10,300	9.3	19.3431	6.3426
R.A. 13 ^h 56 ^m					57,777	10,301	8.1	19.8572	15.7889	57,827	10,302	6.6	20.5405	23.7325
57,512	10,174	7.5	0.3102	8.4180	57,817	10,305	9.4	21.2612	22.6698	57,808	10,308	9.2	21.3810	20.8353
57,630	10,175	7.5	0.6357	24.1463	57,802	10,311	9.4	22.2093	20.6625	57,737	10,315	9.5	24.5691	10.3679
57,599	10,177	9.1	1.0050	21.2519	57,788	10,317	9.1	25.1440	17.3927	R.A. 14 ^h 12 ^m				
57,506	10,179	6.6	1.6277	7.4537	58,068	10,311	9.4	0.2196	20.6875	57,995	10,315	9.5	2.4389	10.3611
57,543	10,181	9.1	3.4485	11.8087	57,995	10,317	9.1	3.1094	17.3770	58,039	10,318	8.4	3.8440	8.9951
57,602	10,182	9.1	3.8007	21.3857	57,984	10,318	8.4	3.8440	8.9951	58,026	10,320	9.5	4.5067	14.7191
57,557	10,183	9.6	4.2810	13.6238	58,003	10,324	9.0	5.3662	12.1780	57,968	10,326	9.2	5.4124	6.7945
57,494	10,185	8.6	4.8031	5.5355	58,003	10,324	9.0	5.3662	12.1780	58,080	10,330	8.7	6.0718	21.9339
57,526	10,188	8.4	5.0848	10.1083	57,968	10,326	9.2	5.4124	6.7945	57,975	10,333	9.5	7.0139	8.2918
57,613	10,190	8.5	6.6003	22.3307	58,080	10,330	8.7	6.0718	21.9339	58,114	10,342	9.4	9.6210	25.9973
57,554	10,191	9.4	7.3815	13.3880	58,061	10,343	9.1	9.9546	19.6563	57,954	10,349	8.8	11.8933	5.7885
57,545	10,196	8.1	8.7564	12.3002	58,101	10,350	9.5	12.2909	24.8544	57,955	10,355	9.4	13.5487	5.9512
57,582	10,199	9.4	10.0767	19.2092	58,089	10,358	8.7	14.6034	23.3196	58,090	10,362	9.1	16.3607	23.1646
57,631	10,202	9.4	11.7003	23.8957	57,970	10,366	7.8	17.0309	6.9098	58,063	10,367	9.2	17.1870	19.9064
57,499	10,203	9.2	11.7991	6.0375	58,005	10,370	8.5	17.6716	11.9100	58,082	10,372	8.6	17.9267	22.6147
57,534	10,204	8.7	12.1329	11.4005	58,073	10,373	9.0	19.2905	21.2632	58,105	10,377	7.5	20.9744	25.5950
57,572	10,205	8.5	12.3458	17.0248	58,008	10,378	9.4	21.2974	12.1954	58,064	10,380	9.3	21.3995	20.5439
57,564	10,208	9.1	13.8075	15.4172	57,962	10,386	8.9	23.7674	5.5268	57,977	10,388	9.0	24.1523	7.7388
57,548	10,209	7.9	13.9258	11.7096										
57,621	10,211	9.2	14.8224	22.9527										
57,573	10,212	8.6	14.8880	16.9059										
57,535	10,215	9.4	15.4714	11.2912										
57,466	10,218	8.8	17.6668	3.2818										
57,537	10,222	9.4	18.6311	10.5583										
57,607	10,224	8.4	18.8623	21.0050										
57,467	10,225	9.0	19.6225	2.6461										
57,632	10,228	9.4	20.4348	24.4396										
57,470	10,232	7.0	22.7634	2.7401										
57,626	10,233	9.5	22.8634	22.7185										
57,520	10,235	8.5	23.5425	9.2581										
57,521	10,237	8.5	24.1315	8.9573										
57,471	10,239	9.0	25.2783	2.4885										
57,487	10,240	8.5	25.3765	4.0118										
57,627	10,243	8.5	25.7141	23.2844										
R.A. 13 ^h 48 ^m														
57,228	10,105	7.7	0.4530	3.7530										
57,321	10,108	9.6	1.6574	12.6853										
57,273	10,111	9.4	3.5009	7.8604										

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 14 ^h 20 ^m					R.A. 14 ^h 28 ^m (continued)					R.A. 14 ^h 44 ^m (continued)				
58,189	10,386	8.9	1-5712	5-5310	58,585	10,522	8.6	23-3710	17-7099	59,301	10,679	9.0	23-2166	25-8970
58,202	10,388	9.0	1-5803	7-7378	58,495	10,523	8.8	23-6222	7-5717	59,121	10,681	9.2	23-6984	9-9009
58,198	10,392	9.0	4-2927	6-7019	58,518	10,528	7.6	24-8481	9-8094	59,218	10,683	7.5	24-2959	19-8256
58,213	10,394	9.0	4-7405	8-4179	R.A. 14 ^h 36 ^m					59,056	10,690	9.1	25-6391	4-7846
58,237	10,395	9.4	5-0707	25-0189	58,877	10,522	8.6	1-3410	17-7188	R.A. 14 ^h 52 ^m				
58,249	10,400	9.6	0-4742	25-8786	58,775	10,523	8.8	1-4539	7-5779	59,475	10,676	8.4	0-6634	13-7448
58,277	10,414	8.7	8-0433	4-1705	58,802	10,528	7.6	2-7101	9-7989	59,441	10,678	9.1	0-8393	9-2176
58,281	10,403	9.1	8-1518	11-0919	58,765	10,530	9.1	3-8268	6-2763	59,603	10,679	9.0	1-2982	25-9076
58,324	10,407	9.3	8-3429	24-4282	58,827	10,534	7.5	5-3112	11-5701	59,442	10,681	9.2	1-5618	9-9058
58,278	10,409	9.2	8-0176	18-1582	58,794	10,537	9.0	6-0085	8-1814	59,533	10,683	7.5	2-2946	19-8216
58,283	10,410	8.4	8-0582	18-0486	58,909	10,548	8.6	8-3191	21-0753	59,384	10,690	9.1	3-4324	4-7642
58,338	10,411	9.4	0-0761	24-6170	58,946	10,553	9.0	9-5696	23-7344	59,494	10,695	8.7	5-3951	16-0871
58,237	10,416	9.4	11-1090	13-1891	58,912	10,555	7.3	10-5473	20-5359	59,388	10,696	9.4	5-4366	4-3437
58,197	10,417	8.7	11-2356	2-5258	58,732	10,561	7.5	11-3563	3-2709	59,511	10,697	9.4	5-8179	17-5516
58,284	10,420	8.5	12-8354	19-3575	58,896	10,562	9.4	11-8353	19-6826	59,443	10,699	9.7	6-4488	9-7597
58,293	10,426	9.0	14-1337	20-0069	58,820	10,567	9.0	12-8203	10-8527	59,569	10,702	8.0	7-5401	23-5114
58,315	10,427	8.2	14-0654	22-1360	58,841	10,570	7.2	14-8171	12-9833	59,477	10,703	9.3	7-5464	14-2419
58,301	10,429	9.4	15-7778	20-9395	58,758	10,572	9.4	15-0724	5-1796	59,389	10,704	9.2	7-5362	4-6398
58,295	10,439	9.5	18-9347	20-2553	58,976	10,573	7.6	16-0968	25-7786	59,444	10,706	9.2	7-9355	9-8358
58,269	10,442	9.3	20-1908	17-1495	58,783	10,580	8.5	17-6470	8-0941	59,571	10,707	9.5	8-2375	23-3734
58,227	10,443	8.0	20-5378	7-7728	58,960	10,581	8.6	17-7720	25-4100	59,428	10,711	9.7	9-4589	7-5677
58,344	10,444	8.8	20-0256	24-6978	58,978	10,585	9.6	18-6059	25-7023	59,573	10,712	7.5	9-5132	23-2473
58,208	10,445	8.1	20-8239	7-3263	58,918	10,588	8.7	18-8692	20-8646	59,513	10,713	9.4	10-1219	17-8417
58,174	10,451	8.8	22-4081	3-1366	58,924	10,591	7.0	19-9696	21-4739	59,585	10,716	8.9	10-6644	24-5675
58,272	10,452	9.4	22-5432	17-1934	58,785	10,593	8.5	20-1461	7-5752	59,391	10,717	9.1	10-9729	4-7652
58,273	10,453	9.1	22-6818	16-7453	58,786	10,594	8.5	20-2648	7-8779	59,478	10,718	9.2	11-3191	13-8695
58,240	10,455	8.9	23-4761	12-7492	58,748	10,595	9.2	20-7506	4-9689	59,429	10,719	9.1	11-3352	8-0250
58,275	10,457	9.1	24-1585	17-4111	58,833	10,596	8.6	20-7610	11-7832	59,504	10,722	8.7	11-9467	16-8456
58,296	10,460	8.7	24-3325	20-3384	58,772	10,598	8.4	21-1217	6-4422	59,431	10,726	9.2	13-2563	7-7992
R.A. 14 ^h 28 ^m					58,889	10,599	8.5	21-3602	18-4754	59,479	10,727	8.7	13-2608	14-3160
58,577	10,451	8.8	0-1793	3-1590	58,892	10,605	9.1	22-8231	19-2656	59,514	10,732	8.5	15-6450	18-3904
58,578	10,452	9.4	0-5061	17-2137	58,741	10,610	9.5	24-4536	3-3813	59,496	10,733	9.2	16-2966	15-8265
58,578	10,453	9.1	0-6386	16-7639	58,814	10,613	5.9	25-0968	9-8042	59,463	10,736	8.8	17-6384	11-5949
58,537	10,455	8.9	1-3784	12-7570	R.A. 14 ^h 44 ^m					59,592	10,739	8.8	19-6332	24-4389
58,580	10,457	9.1	2-1243	17-4092	59,191	10,605	9.1	0-8143	19-2822	59,489	10,740	9.0	19-6862	15-3599
58,609	10,460	8.7	2-3385	20-3537	59,023	10,610	9.5	2-2281	3-3769	59,597	10,742	9.1	19-9199	25-6766
58,474	10,463	9.2	4-3290	7-0922	59,023	10,610	9.5	2-2281	3-3769	59,537	10,743	9.4	20-0786	19-7878
58,433	10,468	8.4	5-3048	2-4037	59,109	10,613	5.9	2-9587	9-7904	59,419	10,744	8.0	20-5777	6-4384
58,607	10,469	9.1	5-4580	23-8142	59,082	10,618	9.2	5-1341	7-9006	59,549	10,745	9.1	20-7273	20-6365
58,553	10,471	9.3	6-0521	13-9240	59,111	10,620	9.2	5-3210	10-4283	59,436	10,746	9.2	21-3088	8-2651
58,652	10,472	9.4	6-1236	23-1263	59,221	10,622	9.3	6-5494	20-7233	59,550	10,747	9.1	21-6599	20-8552
58,501	10,474	9.0	6-6078	8-6850	59,160	10,623	9.6	6-7495	14-8759	59,448	10,748	8.1	21-9409	10-4264
58,669	10,476	9.3	7-2409	23-7325	59,074	10,624	9.1	6-9650	6-6717	59,601	10,750	8.9	22-4909	25-1167
58,540	10,479	9.0	8-0461	13-0499	59,171	10,633	8.7	11-5697	16-2694	59,508	10,752	9.4	22-7498	16-6691
58,612	10,481	8.8	9-0275	20-0885	59,250	10,634	8.6	11-5895	23-1790	59,481	10,758	9.1	25-8243	14-3400
58,435	10,482	9.4	9-3400	3-5767	59,251	10,635	6.2	11-7188	23-0215	R.A. 15 ^h 0 ^m				
58,640	10,483	8.4	9-9114	21-9515	59,172	10,637	9.7	12-3754	16-5744	59,873	10,750	8.9	0-5619	25-1376
58,603	10,484	9.3	10-5840	18-7263	59,234	10,642	8.4	13-4086	22-6507	59,787	10,752	9.4	0-7056	16-6867
58,680	10,485	7.9	10-6566	24-8062	59,100	10,644	9.7	14-3128	8-8318	59,774	10,758	9.1	3-7480	14-3156
58,495	10,486	9.0	10-0826	7-7572	59,026	10,645	8.3	14-4149	2-8852	59,838	10,759	8.7	4-0125	20-6829
58,614	10,487	7.6	11-4638	19-9341	59,283	10,646	8.2	14-4389	25-1657	59,789	10,761	9.4	4-7406	16-5721
58,476	10,490	9.3	12-6724	6-7021	59,162	10,649	8.8	15-0168	15-2220	59,823	10,762	8.4	4-8679	20-3083
58,592	10,491	9.3	12-7527	18-3751	59,130	10,650	8.7	15-1589	11-0187	59,739	10,763	8.7	4-8303	9-6646
58,672	10,492	8.5	13-1600	23-8746	59,152	10,652	9.0	15-9876	12-9747	59,686	10,764	9.5	5-0821	4-6296
58,582	10,494	9.4	15-1715	17-0826	59,187	10,657	8.0	17-0635	18-3461	59,744	10,765	9.1	5-5315	11-1844
58,478	10,498	9.0	16-0431	6-9326	59,177	10,658	9.4	18-0897	17-4862	59,703	10,767	9.6	6-5761	6-1308
58,675	10,502	8.9	17-8643	23-8762	59,042	10,659	9.2	18-3272	4-2461	59,770	10,770	8.9	7-4389	14-0205
58,505	10,505	9.4	18-5210	8-7551	59,256	10,660	7.5	18-5082	23-5566	59,665	10,771	8.8	7-6551	2-5259
58,514	10,506	9.2	18-9769	10-1681	59,089	10,664	9.0	19-6946	8-2061	59,847	10,773	8.5	9-0172	22-0393
58,676	10,511	8.9	19-8954	24-4718	59,196	10,666	8.2	20-0688	19-5173	59,676	10,774	9.4	9-0422	3-1199
58,637	10,512	9.2	20-3922	21-5749	59,227	10,668	8.1	20-8193	21-4990	59,747	10,777	9.5	10-9044	10-4874
58,458	10,513	9.2	20-6076	4-5899	59,259	10,673	9.2	21-3072						

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 15 ^h 0 ^m (continued)					R.A. 15 ^h 16 ^m (continued)					R.A. 15 ^h 32 ^m (continued)				
59,792	10,783	9.5	12.0016	16.5176	60,339	10,924	9.0	14.7194	3.4980	61,082	11,040	8.8	6.1714	13.4144
59,726	10,787	8.2	13.0138	7.9809	60,447	10,925	9.2	14.9876	13.5993	61,186	11,041	8.8	7.0929	24.7191
59,849	10,790	7.0	13.9457	21.8908	60,372	10,927	8.3	15.4853	7.4897	61,033	11,042	9.2	7.1245	9.0164
59,754	10,791	7.7	14.0793	12.2121	60,413	10,928	9.4	15.5233	9.9386	61,141	11,043	8.0	9.3195	20.9598
59,827	10,793	8.8	14.5168	20.0078	60,373	10,930	9.7	15.7060	6.5551	61,152	11,044	8.5	9.5618	21.7557
59,805	10,798	8.8	15.2929	17.5887	60,564	10,932	8.4	17.4150	21.8201	61,024	11,045	9.5	9.8561	8.3110
59,784	10,801	8.8	15.8835	15.8293	60,352	10,939	8.5	19.5386	5.4255	60,983	11,047	9.2	10.2421	4.2612
59,865	10,802	9.3	16.4957	24.4333	60,611	10,943	8.7	20.3080	25.1928	61,188	11,049	8.8	10.4615	24.7973
59,858	10,803	7.4	16.9482	22.7025	60,580	10,945	9.2	21.1688	23.3735	61,101	11,051	8.5	11.0715	16.8496
59,694	10,807	9.2	18.5911	4.7569	60,477	10,946	8.3	21.2285	14.8687	61,026	11,052	9.5	11.1588	7.9366
59,830	10,809	9.6	19.4853	20.0586	60,450	10,947	8.1	21.3923	13.0744	61,196	11,053	9.0	11.3629	25.9445
59,737	10,814	7.9	21.5291	9.2150	60,389	10,948	8.5	21.5621	7.5857	61,049	11,059	7.0	12.7797	10.7140
59,750	10,816	8.6	21.6858	10.7963	60,497	10,951	8.3	21.9837	16.8196	61,102	11,060	9.2	13.0386	17.3264
59,682	10,821	9.4	23.0414	4.0785	60,436	10,953	8.6	22.7930	12.6266	61,170	11,061	9.4	13.0014	24.5905
59,833	10,823	7.1	24.0525	20.2811	60,499	10,955	8.8	22.9854	17.0386	61,177	11,062	9.5	13.8099	24.1869
59,697	10,825	8.1	24.7025	5.0985	60,554	10,959	9.0	24.6056	21.7642	61,044	11,066	7.0	15.3890	6.6625
59,795	10,826	9.5	24.9332	16.8964	60,555	10,963	9.4	25.1919	21.5543	60,973	11,068	7.7	16.2278	2.7057
R.A. 15 ^h 8 ^m					60,453	10,964	9.3	25.3722	13.4897	61,132	11,069	8.5	16.4362	20.5841
59,962	10,821	9.4	0.8255	4.0927	R.A. 15 ^h 24 ^m					61,054	11,072	6.7	17.0703	10.8824
60,138	10,823	7.1	2.0575	20.2803	60,770	10,953	8.6	0.6937	12.6436	61,122	11,074	8.3	17.6442	18.6986
59,973	10,825	8.1	2.5003	5.0906	60,813	10,955	8.8	0.9462	17.0529	61,115	11,075	8.7	17.9640	17.7778
60,099	10,826	9.5	2.8919	16.8837	60,871	10,959	9.0	2.6307	21.7555	..	11,076	9.2	18.1548	4.5935
60,091	10,829	9.3	4.8017	15.2909	60,872	10,963	9.4	3.2141	21.5372	61,027	11,077	9.1	18.1475	7.8062
60,153	10,830	9.3	4.9395	20.7136	60,775	10,964	9.3	3.2843	13.4714	61,089	11,078	8.6	18.3619	14.7209
60,067	10,832	9.0	5.8571	13.5367	60,674	10,965	8.6	4.4260	2.8698	60,962	11,079	8.9	19.2368	2.0025
60,093	10,835	9.6	6.9304	16.0475	60,765	10,966	9.6	4.4952	11.7322	61,095	11,080	8.8	19.4420	16.2039
60,050	10,839	9.2	8.9239	12.6135	60,883	10,967	9.4	4.5707	22.5474	61,123	11,081	5.6	19.5169	18.9306
60,038	10,842	8.8	10.3181	11.3259	60,728	10,969	9.5	5.6032	7.4956	61,169	11,082	9.5	19.5487	22.9578
60,128	10,844	9.3	11.1647	18.8092	60,910	10,970	9.0	7.0290	25.5228	61,133	11,084	9.3	20.4045	19.6949
60,157	10,845	6.8	11.4713	20.5888	60,767	10,976	9.4	8.2661	11.8639	61,179	11,085	9.4	20.5388	24.2036
60,187	10,846	9.3	11.5116	22.5223	60,911	10,980	9.4	8.6990	25.0955	61,190	11,086	9.1	21.3931	25.0056
60,129	10,851	9.2	12.3302	19.3935	60,873	10,984	9.3	9.8878	21.6225	61,201	11,087	8.4	22.0919	25.0447
60,084	10,852	8.4	12.8249	14.9897	60,925	10,987	9.5	10.2596	25.6372	61,003	11,088	9.6	22.5901	5.3346
60,219	10,856	7.8	13.0895	25.0525	60,738	10,988	9.5	10.3424	8.4701	60,967	11,090	9.5	22.6396	1.8242
60,053	10,857	9.4	13.3360	12.7960	60,820	10,992	9.3	10.9572	17.2331	61,068	11,093	7.9	24.0298	12.4408
59,968	10,859	9.4	13.7200	4.3345	60,694	10,993	8.7	11.4068	5.2468	61,181	11,094	8.0	24.0528	24.7740
60,085	10,861	9.6	14.6880	14.9325	60,863	10,995	8.4	12.9698	21.3917	61,046	11,095	8.2	24.5721	9.6225
60,207	10,863	9.4	14.8994	23.6056	60,900	10,998	9.0	14.0305	23.7295	R.A. 15 ^h 40 ^m				
59,943	10,865	9.5	15.7344	2.5314	60,902	11,001	9.5	14.8353	24.4694	61,292	11,088	9.6	0.3913	5.3546
60,004	10,866	8.7	16.6820	7.5480	60,784	11,003	8.9	16.2845	14.0816	61,261	11,090	9.5	0.3928	1.8436
60,118	10,869	8.6	17.6249	18.4065	60,821	11,004	8.0	16.4155	16.7537	61,354	11,093	7.9	1.9278	12.4411
60,131	10,870	8.4	17.7177	19.2812	60,886	11,005	9.1	17.4524	23.5199	61,450	11,094	8.0	2.1191	24.7727
60,208	10,872	9.3	18.1769	24.3507	60,915	11,007	9.2	18.0508	25.0577	61,331	11,095	8.2	2.4317	9.6156
60,143	10,874	9.4	18.3048	20.0432	60,719	11,008	9.4	18.5312	7.1131	61,441	11,099	8.4	4.9204	24.3740
59,969	10,879	9.0	20.4979	5.0012	60,837	11,009	9.4	18.7442	19.4394	61,387	11,107	9.3	6.1218	17.8813
60,161	10,882	7.1	21.0916	20.7088	60,838	11,010	7.3	19.4793	19.4935	61,295	11,108	8.5	7.9927	5.6482
60,033	10,885	9.0	22.5283	11.2057	60,887	11,011	9.3	19.4870	23.3964	61,462	11,111	7.8	8.4890	25.9525
60,252	10,888	9.0	23.6482	25.7546	60,796	11,012	9.5	19.8952	14.6315	61,357	11,112	9.0	8.8077	13.2667
60,077	10,891	8.6	24.5968	14.3009	60,743	11,014	9.0	20.3156	9.4112	61,442	11,113	8.7	9.6057	23.7355
R.A. 15 ^h 16 ^m					60,851	11,015	8.8	20.3426	20.0064	61,334	11,114	8.5	10.2250	10.2471
..	10,885	9.0	0.4096	11.2265	60,786	11,016	9.4	20.4239	14.0790	61,315	11,115	8.2	11.0544	7.9118
60,617	10,888	9.0	1.7279	25.7589	60,744	11,017	9.0	21.3336	9.1803	61,369	11,117	8.8	11.8281	15.3231
60,454	10,891	8.6	2.5201	14.2934	60,688	11,018	9.4	21.7045	4.2801	61,303	11,120	7.0	12.5332	6.2692
60,572	10,895	8.3	4.0280	23.6097	60,799	11,023	8.4	22.3229	14.5470	61,424	11,123	8.9	14.2058	21.7479
60,505	10,898	8.8	4.4070	18.5276	60,823	11,024	9.6	22.8149	17.3692	61,407	11,124	9.4	14.5698	20.1704
60,357	10,900	9.5	4.6333	5.6230	60,907	11,028	9.0	24.9653	23.8173	61,454	11,136	9.5	17.1378	25.6572
60,444	10,901	8.8	5.2284	12.5539	60,746	11,029	9.2	25.4446	9.0210	61,296	11,139	9.1	18.7898	5.4735
60,585	10,902	7.3	5.5641	23.8157	R.A. 15 ^h 32 ^m					61,396	11,141	9.2	18.8628	18.8383
60,507	10,907	9.6	6.7679	17.7423	61,087	11,023	8.4	0.2497	14.5704	61,364	11,142	9.0	19.1625	13.6030
60,587	10,909	7.1	6.9722	23.8783	61,111	11,024	9.6	0.7802	17.3860	61,365	11,143	9.0	19.1895	13.7698
60,369	10,913	9.1	8.1783	7.4009	61,172	11,028	9.0	3.0184	23.8033	61,380	11,145	8.8	19.3130	17.4865
60,483	10,920	9.2	14.1181	16.1801	61,031	11,029	9.2	3.2958	9.0025	61,397	11,146	6.6	19.9161	19.3213

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 15^h 48^m					R.A. 16^h 4^m (continued)					R.A. 16^h 12^m (continued)				
61,570	11,157	8.7	3.4163	7.8454	62,224	11,314	6.1	2.3703	17.0425	62,523	11,441	5.0	20.1801	24.1589
61,634	11,160	7.1	4.0132	12.4636	62,225	11,318	8.7	4.4535	17.5269	62,371	11,443	8.7	21.0073	5.2602
61,728	11,161	8.6	4.1961	21.4171	62,248	11,319	8.9	4.5877	23.6038	62,496	11,447	7.0	22.1369	18.6477
61,541	11,166	8.0	5.2338	4.8920	62,193	11,320	8.8	4.8315	9.4496	62,376	11,452	9.1	25.1003	5.8574
61,542	11,167	8.8	6.1291	4.4870	62,158	11,326	9.5	5.8966	3.3734	R.A. 16^h 20^m				
61,606	11,181	9.3	8.8257	9.6850	62,242	11,327	8.4	6.1776	21.1888	62,621	11,452	9.1	2.9084	5.8440
61,722	11,191	5.9	12.9428	21.1627	62,239	11,332	8.9	8.0415	20.0007	62,666	11,455	7.7	4.3873	11.6160
61,626	11,194	9.4	13.8877	11.4630	62,233	11,333	8.8	8.1242	19.3184	62,585	11,459	8.4	7.2252	2.6364
61,723	11,198	9.4	14.8074	20.7701	62,159	11,337	8.8	8.9939	2.6911	62,690	11,462	8.8	8.1006	16.2042
61,565	11,199	6.7	15.1795	6.6430	62,217	11,338	9.4	9.3633	14.1338	62,625	11,466	7.8	8.7045	6.0759
61,594	11,200	9.5	15.5884	8.4172	62,218	11,340	9.5	9.4913	13.7738	62,626	11,468	9.4	9.9360	6.1332
61,696	11,201	8.8	15.8936	18.9131	62,228	11,341	6.4	9.5744	18.0258	62,692	11,472	7.7	11.3643	15.7575
61,772	11,204	9.0	16.4005	25.5374	62,190	11,342	8.8	9.5970	7.9902	62,693	11,474	7.3	11.8645	15.5991
61,582	11,205	9.0	16.5905	8.2016	62,206	11,344	8.1	11.4441	11.9661	62,686	11,475	8.0	11.8688	15.0984
61,645	11,207	8.5	16.7592	13.8777	62,194	11,345	8.0	11.5141	9.2314	62,632	11,482	9.0	18.2317	5.4386
61,773	11,213	9.1	18.3551	25.0358	62,172	11,346	9.1	11.6514	5.1402	62,654	11,492	9.4	23.3576	8.5801
61,709	11,217	8.7	19.0430	20.2091	62,160	11,349	8.0	13.1200	2.7456	62,606	11,498	9.2	24.5260	3.6829
61,652	11,218	8.9	19.0985	15.2113	62,199	11,355	7.7	14.2980	11.1192	R.A. 16^h 28^m				
61,775	11,222	9.0	20.2598	25.5492	62,207	11,360	9.0	16.6141	12.3190	62,802	11,492	9.4	1.2030	8.5898
61,630	11,224	8.0	20.9308	11.7222	62,167	11,369	8.1	18.3969	4.4310	62,761	11,498	9.2	2.3046	3.6774
61,665	11,229	7.3	23.6671	15.8875	62,213	11,370	9.1	18.9058	12.8480	62,795	11,505	8.2	6.4714	8.0325
61,537	11,232	8.5	24.3720	4.1257	62,243	11,372	8.6	18.9779	20.9544	62,905	11,511	8.5	12.4800	25.9460
61,799	11,233	9.6	24.6000	25.7068	62,219	11,377	9.1	21.1563	13.8779	62,796	11,512	8.6	12.5597	8.3860
61,655	11,234	9.5	24.7786	15.2975	62,208	11,379	9.5	21.7533	11.9475	62,778	11,519	9.0	15.0063	5.8740
61,714	11,237	8.9	25.8227	20.4418	62,168	11,380	8.5	22.0535	3.7623	62,889	11,528	9.2	19.1915	22.3485
R.A. 15^h 56^m					62,229	11,383	9.5	23.1817	18.5471	62,823	11,533	9.4	21.4167	10.5985
61,989	11,229	7.3	1.6123	15.8926	62,260	11,385	8.5	23.4021	25.0340	62,765	11,535	9.2	24.4711	3.9253
61,836	11,232	8.5	2.1566	4.1222	62,164	11,387	9.0	24.1781	3.2427	62,849	11,537	9.3	24.5749	13.7558
62,136	11,233	9.6	2.6789	25.6977	62,236	11,388	8.1	24.1163	19.2679	62,812	11,539	8.0	24.9841	9.3256
61,990	11,234	9.5	2.7155	15.2872	62,256	11,389	8.9	24.1466	23.9619	62,854	11,541	10.0	25.0499	15.0989
62,063	11,237	8.9	3.8296	20.4162	62,187	11,390	9.3	24.6003	6.6483	62,899	11,544	8.4	25.3799	24.2051
61,893	11,238	9.5	3.8492	9.0221	62,210	11,392	9.1	25.8198	12.5902	R.A. 16^h 36^m				
61,916	11,243	9.1	6.0015	10.1953	R.A. 16^h 12^m					62,965	11,535	9.2	2.2530	3.9206
62,110	11,245	8.2	6.3291	23.9299	62,492	11,383	9.5	1.1630	18.5586	63,062	11,537	9.3	2.4908	13.7485
62,065	11,246	9.2	6.6243	21.1305	62,525	11,385	8.5	1.4719	25.0419	63,015	11,539	8.0	2.8395	9.3133
61,851	11,247	8.8	6.8969	5.7662	62,337	11,387	9.0	1.9507	3.2418	63,074	11,541	10.0	2.9841	15.0850
61,838	11,248	9.2	7.3587	4.4004	62,498	11,388	8.1	2.1075	19.2664	63,126	11,544	8.4	3.4382	24.1851
61,936	11,249	8.8	7.6871	11.9997	62,517	11,389	8.9	2.2018	23.9595	63,045	11,545	9.1	4.1980	12.4856
62,033	11,251	8.8	8.5815	18.3732	62,380	11,390	9.3	2.4192	6.6415	63,112	11,549	9.4	5.4597	20.5583
61,840	11,252	2.3	8.6126	5.0514	62,444	11,392	9.1	3.7196	12.5663	63,115	11,556	8.9	8.2189	21.3930
62,003	11,258	9.2	10.2428	17.1345	62,329	11,394	7.8	4.5429	2.5380	63,096	11,557	9.6	8.5244	18.4454
62,127	11,259	7.8	10.6717	24.8152	62,494	11,396	9.1	5.2021	19.1017	63,076	11,558	8.6	10.8016	14.5602
62,079	11,260	9.0	11.1051	21.9483	62,394	11,399	8.7	6.7697	7.6943	62,993	11,564	9.1	13.6896	7.1290
62,128	11,264	9.1	11.9064	25.0539	62,433	11,402	8.7	8.4188	11.9364	63,105	11,565	9.5	14.2387	18.8226
62,129	11,265	8.7	12.1533	25.5243	62,434	11,403	9.2	8.4269	11.5531	63,106	11,569	9.2	15.4959	19.2948
61,884	11,266	9.1	12.7709	7.3142	62,533	11,405	7.0	8.6984	25.3970	62,961	11,573	9.2	16.2883	2.8618
61,857	11,268	8.0	13.8478	5.8850	62,437	11,409	8.6	10.0214	11.3424	63,004	11,576	7.7	17.6190	7.5713
62,023	11,272	9.0	14.6942	17.8136	62,528	11,412	9.0	10.9484	24.7035	63,038	11,580	8.1	18.0199	12.3001
62,131	11,274	9.4	14.9658	24.6356	62,407	11,413	8.4	11.0208	9.0901	63,125	11,582	8.8	18.5379	22.8993
61,942	11,276	7.7	15.2467	11.8315	62,457	11,414	8.7	11.5416	14.1210	62,974	11,584	7.5	19.4070	5.0412
62,116	11,279	7.7	15.6742	23.7384	62,506	11,416	9.6	11.9902	20.3643	63,032	11,586	9.1	20.2111	10.7089
62,117	11,280	9.5	15.9639	23.5623	62,341	11,417	9.1	12.2794	3.9740	63,040	11,588	9.0	20.5445	11.7843
62,138	11,286	9.2	17.0642	25.6974	62,522	11,418	8.9	12.4185	23.7927	63,056	11,589	9.4	21.2116	13.1331
61,913	11,292	9.3	19.2174	10.3211	62,408	11,419	9.4	12.6161	8.8193	63,119	11,590	9.1	21.2110	21.2105
62,043	11,294	9.3	19.4844	18.6947	62,389	11,421	9.2	13.5240	6.5102	62,967	11,591	9.6	21.3946	3.8892
62,099	11,297	9.4	20.1976	22.9187	62,438	11,422	9.2	13.8737	11.7655	63,057	11,592	7.2	21.6427	12.9963
62,011	11,301	9.0	21.1869	17.2761	62,458	11,423	9.3	13.9690	13.4583	63,085	11,600	9.0	25.0954	16.5216
62,087	11,305	9.0	21.7613	22.2504	62,459	11,425	7.5	14.3676	13.3413	62,964	11,601	9.5	25.4262	2.6622
62,028	11,307	8.3	22.2319	17.7666	62,440	11,426	9.4	15.0402	11.6230	62,987	11,602	8.1	25.4393	6.3963
62,122	11,310	7.3	22.8790	24.4166	62,399	11,427	9.2	15.4993	7.2017	R.A. 16^h 44^m				
61,850	11,313	8.9	24.2390	4.9557	62,530	11,428	9.4	15.9330	24.9830	63,364	11,600	9.0	3.0489	16.5067
62,014	11,314	6.1	24.4095	17.0479	62,344	11,431	9.4	17.6574	3.3178	63,181	11,601	9.5	3.1906	2.6450
R.A. 16^h 4^m					62,515	11,432	9.7	18.1161	23.1945	63,242	11,602	8.1	3.2547	6.3784
..	11,307	8.3	0.2026	17.7912	62,401	11,435	9.4	18.8765	7.7124					
62,254	11,310	7.3	0.9405	24.4319	62,502	11,437	9.4	18.9888	19.7425					
62,170	11,313	8.9	2.0349	4.9538	62,357	11,438	9.4	19.0613	4.3328					

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 16 ^h 44 ^m (continued)					R.A. 16 ^h 52 ^m (continued)					R.A. 17 ^h 8 ^m (continued)				
63,382	11,607	9.1	5.2118	19.6977	63,737	11,768	8.8	23.4453	21.7600	64,411	11,873	8.8	6.1267	1.5256
63,400	11,613	8.1	6.7425	22.5471	63,808	11,769	9.5	23.5798	25.1192	64,434	11,874	8.6	6.2818	3.3811
63,213	11,617	9.0	7.8819	5.0914	63,615	11,772	8.3	24.3163	14.7325	64,700	11,877	9.1	7.3597	19.9060
63,229	11,619	9.5	9.3669	5.8741	R.A. 17 ^h 0 ^m					64,560	11,881	9.1	8.0412	13.4879
63,260	11,626	8.4	10.7869	7.4197	..	11,762	9.6	0.0543	3.5258	64,511	11,882	8.2	8.4456	10.6450
63,261	11,628	9.1	11.3000	7.8600	..	11,763	8.6	0.2376	9.1684	64,701	11,885	9.4	8.5544	19.5384
63,334	11,635	9.6	12.4802	13.7924	64,206	11,768	8.8	1.4704	21.7676	64,702	11,887	9.3	9.0267	19.5875
63,359	11,637	8.3	12.8764	16.2933	64,306	11,769	9.5	1.6508	25.1246	64,653	11,893	9.3	10.5403	17.4977
63,392	11,639	8.8	13.3589	21.8495	64,019	11,772	8.3	2.2456	14.7287	64,778	11,895	9.7	10.6985	23.7852
63,247	11,640	9.4	14.0351	6.5748	63,900	11,774	9.6	3.7913	6.9423	64,565	11,897	9.0	11.1536	14.3523
63,314	11,642	9.5	14.0954	11.6674	64,028	11,776	9.5	4.3984	15.2674	64,740	11,898	8.5	11.2992	22.0267
63,403	11,645	9.1	14.5833	23.2622	64,029	11,777	9.4	4.7412	14.8815	64,655	11,899	9.0	11.7966	17.5808
63,394	11,656	9.2	17.6362	21.7893	63,989	11,783	7.3	5.6012	13.1152	64,569	11,900	9.3	11.8858	13.8064
63,202	11,658	9.6	18.2399	3.7684	63,902	11,787	8.6	6.5146	7.4099	64,627	11,901	9.5	11.9989	16.6673
63,266	11,659	9.4	18.3953	8.2514	64,125	11,788	8.7	6.8001	18.7163	64,781	11,902	8.8	12.1073	24.1859
63,296	11,660	8.0	18.5910	9.8768	63,931	11,793	8.5	7.1932	9.8736	64,446	11,903	9.1	12.5918	5.6507
63,189	11,662	8.8	18.6719	2.7808	64,126	11,796	9.5	8.1038	18.7917	64,459	11,905	8.6	13.1779	6.5365
63,405	11,666	9.0	18.9962	23.0570	64,046	11,799	7.8	8.6241	15.9993	64,624	11,909	9.4	14.3041	16.7782
63,267	11,669	8.8	20.2631	7.5455	63,991	11,801	9.9	9.4476	13.1509	64,784	11,911	8.2	14.9141	24.3310
63,350	11,672	9.4	20.7724	14.6798	63,948	11,804	9.6	9.6466	10.7912	64,517	11,920	9.1	17.4046	11.1537
63,418	11,673	9.0	20.9039	25.1648	64,160	11,807	8.6	11.0935	19.9188	64,771	11,923	9.6	18.2334	22.6874
63,419	11,674	9.5	21.1425	25.0504	63,935	11,814	9.4	12.8925	9.5180	64,419	11,929	9.1	19.4437	1.7052
63,324	11,677	9.6	22.5367	13.0034	64,262	11,815	9.3	13.2483	23.3031	64,730	11,930	9.3	19.5748	20.9293
63,191	11,681	9.4	23.8897	2.8080	64,076	11,816	8.9	14.1453	17.2114	64,772	11,931	9.6	20.8904	23.0823
63,421	11,682	9.3	23.8423	24.8044	64,229	11,817	8.4	14.3418	22.2228	64,443	11,934	8.9	21.2531	5.3093
63,407	11,689	9.4	24.6325	22.9111	64,231	11,820	9.3	14.5200	22.5204	64,461	11,936	9.5	21.4632	7.1571
R.A. 16 ^h 52 ^m					64,328	11,822	9.4	14.9660	24.8395	64,462	11,939	9.4	23.4445	6.9427
63,586	11,677	9.6	0.4424	13.0239	63,891	11,830	8.7	17.8787	5.3389	64,808	11,943	6.5	23.9960	24.5902
63,477	11,681	9.4	1.6563	2.8110	64,233	11,832	9.5	18.2148	22.3789	64,688	11,946	9.3	24.6961	19.3791
63,794	11,682	9.3	1.9090	24.8062	64,078	11,834	8.9	18.2839	16.9172	R.A. 17 ^h 16 ^m				
63,762	11,689	9.4	2.6733	22.9019	63,978	11,835	9.5	18.5571	11.6915	64,886	11,939	9.4	1.2674	6.9514
63,558	11,693	8.9	3.9722	9.2187	64,140	11,836	8.9	18.8385	19.4837	65,077	11,943	6.5	2.0598	24.5898
63,648	11,695	7.2	4.1919	17.2001	64,102	11,837	8.7	19.5043	18.5495	65,019	11,946	9.3	2.6887	19.3695
63,609	11,697	9.1	4.7063	14.1741	63,871	11,839	9.5	19.8150	2.6986	65,079	11,949	9.0	4.3120	23.7048
63,564	11,699	9.5	5.8958	9.6440	64,015	11,840	8.5	19.9396	14.1519	64,904	11,951	8.6	4.3531	8.2355
63,575	11,700	9.4	5.9044	11.5067	64,238	11,842	9.4	20.2186	22.4175	65,080	11,952	9.3	4.4709	23.9205
63,766	11,704	8.9	6.8088	23.3729	64,275	11,843	9.3	20.3818	23.4484	65,023	11,955	9.1	5.1820	18.9384
63,531	11,708	9.4	8.3934	7.3826	64,276	11,845	7.0	20.9054	23.3738	64,869	11,956	9.4	5.3572	2.7006
63,532	11,709	9.2	9.3343	7.1853	63,981	11,848	9.4	21.8138	11.7628	64,862	11,957	9.1	5.3659	1.6044
63,782	11,710	9.6	9.6064	24.0614	64,240	11,849	8.9	22.0627	22.3737	64,949	11,958	8.7	6.0008	11.6403
63,595	11,712	6.1	9.5985	12.9036	64,106	11,850	9.1	22.3209	18.0915	64,905	11,961	9.2	7.2208	8.1971
63,666	11,713	9.5	9.9652	17.9872	63,996	11,851	9.3	22.4182	13.5111	64,893	11,962	9.4	7.5084	6.5378
63,519	11,714	8.7	10.1970	6.0234	64,170	11,852	9.4	22.4488	20.2128	64,864	11,963	9.4	7.6582	1.3493
63,535	11,716	9.4	11.5992	6.8277	64,109	11,854	9.5	22.6620	18.2815	65,025	11,965	8.7	8.4975	19.1613
63,622	11,718	8.7	11.7648	14.9424	64,110	11,855	9.4	23.6604	17.8879	64,871	11,969	9.2	9.4523	2.6164
63,473	11,722	9.6	12.8402	2.3949	64,339	11,856	9.1	23.8472	25.2991	64,967	11,973	9.0	10.2968	13.7603
63,669	11,723	8.9	12.9215	18.0164	64,279	11,857	8.5	23.9488	23.6711	65,061	11,974	9.5	10.4974	21.7837
63,576	11,724	9.0	13.2340	11.4773	64,113	11,858	9.7	24.1558	18.4711	65,037	11,977	9.3	10.9629	19.9686
63,770	11,726	9.7	13.4628	23.2455	64,174	11,859	9.6	24.7413	19.9729	64,944	11,980	8.7	11.5658	10.9007
63,686	11,732	9.4	14.1584	19.4386	63,919	11,862	9.4	25.4380	7.7760	64,932	11,982	9.0	11.8327	10.2834
63,730	11,734	9.3	14.9056	21.0513	64,117	11,863	9.4	25.8166	18.0425	64,914	11,984	8.0	12.3844	8.8041
63,772	11,735	8.5	14.9586	22.9866	R.A. 17 ^h 8 ^m					65,051	11,985	9.4	12.4456	21.5948
63,710	11,736	8.6	15.2394	20.0828	..	11,850	9.1	0.2960	18.1149	65,027	11,987	8.1	13.0812	18.6991
63,626	11,739	9.6	15.9704	15.5600	..	11,851	9.3	0.3308	13.5334	64,951	11,988	9.4	13.3878	11.8450
63,538	11,742	9.2	16.5516	7.2040	..	11,852	9.4	0.4529	20.2345	65,052	11,991	9.7	13.9907	21.6820
63,673	11,744	9.3	16.8355	17.7890	..	11,854	9.5	0.6398	18.3003	64,907	11,992	8.7	14.6373	8.2417
63,786	11,745	9.6	17.4147	24.1122	64,637	11,855	9.4	1.6328	17.8928	64,908	11,994	9.2	14.8324	7.5646
63,802	11,748	9.0	18.0969	25.6338	64,792	11,856	9.1	1.9207	25.3008	65,085	11,996	9.0	15.0433	24.4051
63,803	11,749	9.3	18.1194	25.6112	64,773	11,857	8.5	2.0000	23.6715	64,899	11,997	8.4	15.4219	6.8139
63,675	11,754	9.1	19.7551	18.3461	64,672	11,858	9.7	2.1360	18.4690	65,063	11,999	9.5	15.8616	22.5340
63,657	11,755	8.4	20.1107	17.3873	64,694	11,859	9.6	2.7420	19.9626	64,883	12,001	9.0	15.9143	5.5916
63,599	11,756	9.2												

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 17 ^h 16 ^m (continued)					R.A. 17 ^h 32 ^m (continued)					R.A. 17 ^h 48 ^m (continued)				
64,872	12,010	9.4	19.9614	3.2497	65,696	12,099	9.0	13.0837	13.7443	66,749	12,214	9.2	3.0293	9.1141
65,076	12,011	8.5	20.5923	23.0252	65,737	12,100	9.5	13.3253	15.9720	66,846	12,219	7.4	4.8737	11.6995
64,921	12,012	9.5	20.9509	9.4965	65,821	12,101	9.4	13.5559	18.7095	67,232	12,220	9.1	4.9505	24.1925
65,069	12,013	9.1	20.9924	22.0599	65,623	12,102	9.1	13.6356	9.5941	67,116	12,226	7.5	6.2749	20.8127
65,031	12,014	9.4	21.1388	18.8148	65,716	12,103	9.0	13.7471	14.7722	67,205	12,232	9.3	7.7113	23.2654
64,939	12,019	8.8	21.9084	10.3845	65,950	12,104	8.9	14.7984	24.7895	66,758	12,233	7.5	8.1975	8.7337
64,971	12,023	7.9	23.9575	14.0059	65,786	12,106	9.3	16.1241	18.0704	66,853	12,234	9.1	8.5483	11.3024
65,070	12,025	9.0	24.0925	22.6620	65,940	12,107	9.1	16.5620	24.1641	66,761	12,236	9.4	8.8688	8.6872
65,096	12,026	4.2	24.6770	26.0451	65,866	12,108	9.3	17.2564	20.5157	66,997	12,242	9.3	9.7606	16.6281
R.A. 17 ^h 24 ^m					65,686	12,110	8.0	18.1488	13.0609	66,713	12,246	8.5	10.7306	7.1580
65,241	12,023	7.9	1.8768	14.0070	65,923	12,114	8.2	20.4946	22.4073	66,662	12,247	9.5	10.8496	4.8620
65,337	12,025	9.0	2.1299	22.6605	65,482	12,115	9.4	20.8242	4.0015	67,030	12,255	9.5	12.9234	18.0991
65,371	12,026	4.2	2.7606	26.0356	65,957	12,116	9.4	20.9879	24.4354	66,981	12,258	9.3	13.9944	15.5786
65,294	12,031	9.8	5.7450	17.3656	65,800	12,117	8.9	21.4100	18.0803	67,126	12,259	9.5	14.3664	20.7677
65,253	12,035	9.4	7.6452	14.9000	65,668	12,120	8.9	23.2945	13.1246	67,061	12,262	9.3	15.2364	18.6093
65,254	12,038	9.4	9.0032	14.9022	65,484	12,124	8.8	23.9246	4.1607	66,892	12,263	8.7	15.5878	12.5413
65,169	12,040	9.0	9.2793	6.9801	65,774	12,125	7.5	24.7646	16.6497	67,247	12,266	9.1	16.0679	24.6457
65,281	12,041	8.5	9.6665	17.3069	65,873	12,127	8.8	24.8830	21.2881	66,959	12,267	9.3	16.6820	15.0605
65,132	12,044	9.7	10.2438	4.1691	65,504	12,130	8.6	25.8850	4.8742	67,280	12,270	9.0	17.0538	25.4734
65,325	12,045	9.0	10.4012	22.0274	R.A. 17 ^h 40 ^m					67,217	12,271	9.1	17.1167	24.0901
65,144	12,046	9.2	12.0148	5.0172	66,202	12,120	8.9	1.1883	12.1349	66,701	12,273	9.2	17.5008	5.8855
65,221	12,047	9.2	12.2008	11.5965	66,051	12,124	8.8	1.7097	4.1632	66,925	12,275	9.0	17.8572	14.3586
65,256	12,048	9.0	12.2820	15.1855	66,308	12,125	7.5	2.7200	16.6394	67,037	12,283	8.0	19.6287	17.5055
65,222	12,050	8.8	13.1368	11.4613	66,394	12,127	8.8	2.9015	21.2756	67,222	12,287	7.3	21.2647	24.1233
65,361	12,051	9.3	13.1709	24.4911	66,068	12,130	8.6	3.6795	4.8506	66,966	12,289	9.0	21.6905	14.6317
65,272	12,052	9.3	13.3565	16.2190	66,111	12,135	9.2	5.7433	6.6016	67,076	12,297	9.0	23.0727	18.7251
65,327	12,053	8.0	15.0178	22.1611	66,166	12,137	8.5	7.1544	9.6014	66,632	12,298	8.7	23.2768	3.6761
65,245	12,054	8.6	15.7246	14.1773	66,020	12,138	9.1	7.1733	1.6060	66,743	12,301	9.1	23.6888	7.7167
65,312	12,055	8.3	16.0988	19.9850	66,235	12,139	9.7	7.3020	13.0278	66,902	12,302	8.7	23.6792	12.5952
65,353	12,056	5.1	16.6035	23.0307	66,057	12,140	9.2	7.6419	3.8551	67,140	12,305	8.8	24.6050	21.3280
65,126	12,057	8.5	16.7965	3.4037	66,208	12,141	9.6	7.6710	11.5885	67,265	12,307	9.2	24.9332	25.1333
65,306	12,059	9.3	17.5482	18.9414	66,396	12,142	7.5	8.0415	20.6060	R.A. 17 ^h 56 ^m				
65,236	12,060	9.2	17.7365	13.1576	66,209	12,143	9.2	8.4148	11.6605	68,108	12,297	9.0	1.0565	18.7381
65,224	12,061	8.7	18.2186	12.0944	66,034	12,144	6.6	8.4689	2.8001	67,423	12,298	8.7	1.0554	3.6871
65,248	12,062	9.6	19.0534	14.1086	66,211	12,146	9.2	8.9440	11.8284	67,643	12,301	9.1	1.5224	7.7320
65,356	12,063	9.3	19.4622	24.3305	66,289	12,148	9.4	9.5295	16.3306	67,864	12,302	8.7	1.5794	12.6001
65,375	12,066	9.1	21.4841	25.8720	66,185	12,150	8.6	10.2934	11.1473	68,208	12,305	8.8	2.6242	21.3195
65,368	12,067	9.0	22.2288	25.0041	66,022	12,152	9.4	11.0964	1.9291	68,391	12,307	9.2	3.0042	25.1196
65,359	12,069	8.9	22.5541	23.9363	66,400	12,153	9.3	11.3909	21.2635	68,395	12,312	9.3	4.1563	25.1658
65,184	12,070	8.9	22.7183	7.9521	66,126	12,157	8.7	12.9114	8.0042	67,563	12,314	7.5	4.4271	7.1153
65,118	12,071	7.4	22.8851	2.2320	66,149	12,160	9.2	13.5159	8.8364	67,512	12,315	8.7	4.4753	5.4702
65,228	12,072	9.3	23.2211	11.9228	66,402	12,165	8.0	14.6380	20.7371	68,027	12,317	8.4	4.9002	16.7018
65,239	12,073	8.9	23.7204	13.0618	66,040	12,168	8.7	15.0671	3.1169	67,915	12,320	9.0	5.3482	13.9401
65,240	12,074	7.8	23.9940	12.5510	66,483	12,170	9.0	15.3936	25.5072	67,567	12,322	7.5	5.7762	6.5152
65,264	12,075	9.3	24.1908	14.9946	66,360	12,173	8.9	15.7823	19.3763	67,866	12,323	9.0	6.2713	12.8763
65,129	12,077	9.1	24.6277	2.8750	66,024	12,174	9.2	16.5519	1.5364	67,847	12,324	8.8	6.4070	12.2841
R.A. 17 ^h 32 ^m					66,101	12,175	9.2	16.5508	5.6728	68,299	12,325	5.3	6.6497	22.6865
65,943	12,067	9.0	0.2983	25.0287	66,103	12,180	7.1	17.7626	6.2966	67,713	12,327	9.1	6.7479	8.5045
65,927	12,069	8.9	0.6090	23.9565	66,220	12,181	8.4	17.9511	12.2185	68,116	12,328	9.5	6.8933	19.1097
65,551	12,070	8.9	0.5552	7.9704	66,046	12,182	9.4	18.0049	2.7989	67,714	12,329	8.9	6.8921	8.8000
65,445	12,071	7.4	0.6439	2.2483	66,154	12,184	9.2	18.4203	8.6528	67,651	12,331	7.5	7.3630	7.5087
65,652	12,072	9.3	1.1121	11.9341	66,276	12,188	8.3	19.3323	15.3738	67,956	12,332	8.6	7.5020	14.4480
65,674	12,073	8.9	1.6268	13.0662	66,386	12,191	9.0	20.5112	20.1202	68,399	12,334	9.2	7.9373	25.3492
65,675	12,074	7.8	1.8936	12.5518	66,342	12,194	8.7	21.3238	17.9822	68,118	12,335	9.4	8.3864	18.9579
65,708	12,075	9.3	2.1237	14.9925	66,323	12,197	8.3	21.9880	17.0510	67,873	12,336	9.2	8.4070	12.5038
65,447	12,077	9.1	2.3952	2.8663	66,343	12,199	8.9	22.8729	18.0928	68,122	12,342	9.4	9.7109	19.0593
65,878	12,080	9.9	5.8142	21.7712	66,280	12,207	9.4	23.9971	14.9466	67,429	12,344	9.0	9.8218	4.0048
65,834	12,081	8.5	5.9607	19.6686	66,260	12,211	8.4	24.5260	14.2199	67,660	12,346	8.7	10.4227	8.1242
65,813	12,083	9.0	5.9912	18.7704	66,228	12,212	9.2	24.7648	12.2488	68,176	12,347	8.3	10.4670	19.6023
65,538	12,084	8.6	7.4532	6.7358	66,159	12,214	9.2	25.1765	9.1291	68,352	12,353	9.4	10.7870	24.2988
65,511	12,085	8.5	8.6952	5.5273	R.A. 17 ^h 48 ^m					67,960	12,355	8.9	11.1157	14.9308
65,884	12,086	9.4	8.8358	21.2809	67,019									

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ'.	η'.	Hyd.	Cordoba.		ξ'.	η'.	Hyd.	Cordoba.		ξ'.	η'.
R.A. 17^h 56^m (continued)					R.A. 18^h 4^m (continued)					R.A. 18^h 12^m (continued)				
67,769	12,366	6.5	12.5759	10.3308	69,456	12,492	8.9	6.5530	17.2594	71,034	12,601	9.5	3.5506	14.7785
67,486	12,371	9.0	13.7549	4.9158	69,327	12,493	8.4	6.6064	14.4063	70,040	12,602	9.4	3.8894	1.6687
67,882	12,373	8.9	13.8839	13.3816	69,149	12,494	8.5	6.8432	11.7129	70,963	12,603	9.0	3.9765	13.9742
67,883	12,374	8.0	13.8913	13.3530	69,150	12,495	9.7	6.8880	11.4938	71,670	12,604	9.3	4.0468	22.5566
67,850	12,376	7.8	14.2827	11.8518	69,329	12,500	9.0	7.5541	14.4959	70,041	12,605	8.5	4.0865	1.4291
68,408	12,378	9.4	14.4367	25.5884	68,744	12,501	8.5	7.7850	4.4520	71,825	12,609	9.0	4.6883	24.2199
68,003	12,381	9.3	14.5436	16.0325	69,514	12,504	9.5	8.1685	18.3494	71,894	12,610	8.4	4.7549	25.3523
68,446	12,384	9.2	15.1753	25.8070	68,751	12,507	9.3	9.2680	4.4458	70,592	12,612	9.2	4.8150	8.5522
67,824	12,386	9.2	15.5638	11.4487	68,627	12,509	8.5	9.4381	3.1004	70,439	12,613	9.0	4.8150	6.7212
67,780	12,387	7.1	15.6889	9.6252	68,694	12,513	9.0	9.9714	3.2888	71,826	12,614	9.2	5.4585	24.8986
68,187	12,389	9.5	16.0801	19.7259	60,518	12,515	9.3	10.3927	18.4076	70,735	12,616	8.8	5.6089	10.2539
67,828	12,392	9.0	16.2369	10.9772	68,696	12,516	8.7	10.7045	3.3567	71,037	12,619	8.7	5.9150	14.7839
67,854	12,394	8.1	16.4567	11.6260	69,889	12,517	8.0	10.7547	25.0459	71,680	12,622	8.5	6.6999	23.1195
67,681	12,396	8.5	16.7783	8.4250	69,106	12,518	8.7	10.7385	10.5106	71,466	12,623	9.3	6.8362	20.1210
68,080	12,397	8.7	16.8339	18.0414	69,161	12,520	8.4	10.8602	11.9167	70,056	12,630	9.0	8.3155	1.7868
67,971	12,400	8.8	17.2971	14.6827	69,276	12,522	9.3	11.2076	14.1096	70,979	12,631	9.3	8.4146	13.2085
68,042	12,404	8.6	17.4851	17.1901	69,636	12,524	8.6	11.6454	20.0048	70,059	12,633	9.2	8.7130	1.5770
68,081	12,405	8.5	17.5105	18.2935	69,844	12,526	8.7	11.7761	24.3121	71,835	12,634	8.0	8.7748	24.2135
68,043	12,406	9.0	17.7852	16.6209	69,845	12,527	9.5	11.9552	24.2426	71,135	12,636	8.9	9.0115	16.0147
68,416	12,408	9.3	17.8183	25.0386	69,696	12,528	9.1	12.1035	21.3690	71,907	12,637	8.7	9.1934	25.5177
67,449	12,410	8.7	17.9655	3.8781	69,697	12,529	8.7	12.1234	20.9484	70,904	12,641	9.4	9.5383	13.1467
67,832	12,412	7.6	18.1694	11.0765	69,698	12,530	9.4	12.2068	21.0676	71,215	12,643	9.1	9.9453	16.8993
67,592	12,413	9.3	18.2834	7.3113	69,571	12,531	8.2	12.2588	18.4836	71,839	12,644	9.2	10.2770	25.1337
67,690	12,415	8.7	18.5362	7.8309	69,699	12,533	9.5	12.3687	20.5601	71,140	12,645	9.3	10.2784	15.9610
67,540	12,416	9.2	18.7346	6.2964	68,633	12,534	9.1	12.3867	2.6806	70,825	12,647	9.2	10.4850	11.6849
67,857	12,419	9.6	18.8816	11.9027	68,574	12,535	9.0	12.4054	1.8725	70,905	12,648	9.1	10.5213	12.2452
67,603	12,421	9.1	18.9267	6.9894	69,760	12,537	8.6	13.0229	22.4849	70,224	12,649	8.4	10.5815	3.4548
67,741	12,422	8.8	18.9847	9.3001	69,761	12,538	8.9	13.0522	22.2352	71,312	12,650	9.4	11.1244	18.0789
67,609	12,423	8.1	19.0008	7.0534	69,523	12,540	9.0	13.5386	18.1179	71,574	12,652	8.7	11.6513	20.5072
68,083	12,424	9.6	19.0737	18.6178	69,641	12,544	8.7	14.1337	20.0073	71,223	12,654	8.0	12.2212	16.7512
67,616	12,425	9.5	19.2041	7.1597	69,851	12,545	8.8	14.1865	24.2504	70,308	12,656	8.2	12.6452	4.9339
67,617	12,426	9.0	19.2219	6.9834	68,706	12,549	8.1	14.9497	4.1034	70,391	12,657	8.2	12.7540	5.5500
68,086	12,441	9.1	20.1922	18.5842	69,703	12,550	9.4	15.2150	21.5422	71,631	12,659	9.1	13.0270	21.2751
68,194	12,443	8.6	20.4717	20.2333	69,177	12,551	9.4	15.2616	12.0473	71,417	12,663	9.0	13.5938	19.1112
68,228	12,445	8.6	20.7743	21.4466	69,472	12,555	8.5	15.9013	17.4510	70,075	12,664	9.4	13.6313	1.4837
68,013	12,447	9.3	21.4276	16.3832	69,935	12,557	9.2	17.2438	25.9727	70,990	12,665	9.3	14.0092	13.9940
67,550	12,449	9.2	21.8395	5.9989	69,936	12,561	9.4	17.4152	25.9256	70,077	12,666	9.1	14.3658	1.7179
68,238	12,452	8.3	22.3033	21.6860	69,899	12,562	9.2	17.4365	25.1593	70,535	12,670	8.8	14.5891	8.0220
68,155	12,453	9.0	23.1355	19.2483	69,769	12,563	5.7	17.4507	21.6641	71,062	12,671	8.5	15.1900	14.2608
67,458	12,455	8.7	23.6095	3.5701	68,645	12,564	9.1	17.6958	2.5234	70,917	12,675	9.2	15.6513	12.8632
68,158	12,458	9.3	24.0105	18.9748	69,807	12,566	9.0	17.9993	23.4005	70,761	12,679	8.7	16.5088	10.3345
67,419	12,460	8.8	24.3030	2.5243	69,187	12,571	9.7	19.9069	11.8920	71,238	12,680	9.3	16.9232	17.1995
67,635	12,462	9.2	24.4870	6.6529	60,654	12,574	8.7	20.3998	20.1200	70,401	12,681	9.2	16.9577	5.8525
67,797	12,465	9.4	24.9732	9.7970	68,914	12,576	9.2	20.7503	6.4021	71,425	12,692	9.2	16.9824	19.0608
68,380	12,468	8.4	25.2104	24.4935	68,916	12,577	9.1	20.9723	6.7452	70,469	12,683	9.1	17.0630	6.7889
R.A. 18^h 4^m					69,353	12,579	7.1	21.1870	14.7201	70,543	12,684	9.2	17.4774	7.8326
69,726	12,452	8.3	0.3275	21.7097	69,126	12,581	8.6	22.0354	11.3357	71,163	12,685	8.9	17.7023	15.4549
69,550	12,453	9.0	1.1264	19.2604	68,596	12,582	9.2	22.3045	1.8062	71,344	12,686	8.3	18.0527	17.2791
68,668	12,455	8.7	1.3866	3.5768	69,075	12,583	8.6	22.3135	9.9402	70,245	12,682	9.1	18.9280	3.6959
69,552	12,458	9.3	1.9977	18.9748	69,775	12,586	9.5	22.7081	21.6818	70,550	12,694	9.2	19.2787	7.5718
68,610	12,460	8.8	2.0658	2.5218	69,359	12,587	8.9	23.0040	14.5578	70,247	12,695	8.8	19.6097	3.4081
68,864	12,462	9.2	2.3061	6.6475	69,716	12,594	9.0	24.6114	21.4041	..	12,696	9.0	19.6262	3.3382
69,041	12,465	9.4	2.8350	9.7847	69,542	12,596	9.1	25.2391	18.0544	71,359	12,697	9.4	19.9271	17.4899
69,831	12,468	8.4	3.2727	24.4759	69,427	12,599	9.2	25.3591	15.5566	71,877	12,699	9.5	20.2475	25.1355
68,870	12,470	8.5	3.9162	6.7116	69,088	12,600	9.4	25.4601	10.1827	71,878	12,700	9.0	20.5522	24.8519
68,556	12,473	7.5	4.1027	1.6930	69,368	12,601	9.5	25.6206	14.8003	71,081	12,704	9.2	21.6885	14.4881
68,995	12,474	9.5	4.2099	8.3110	R.A. 18^h 12^m					70,776	12,707	9.5	22.3765	11.1572
69,262	12,479	9.3	5.1064	13.5982	..	12,582	9.2	0.0575	1.8300	71,960	12,708	9.1	22.5540	25.4186
69,263	12,480	9.3	5.1343	13.9322	..	12,583	8.6	0.1775	9.9638	71,436	12,709	9.4	23.0979	18.8864
69,452	12,484	8.9	5.7875	17.1130	71,610	12,586	9.5	0.7322	21.6999	71,439	12,711	9.3	23.6317	18.7551
69,384	12,487	9.1	6.0609	16.4088	71,025	12,587	8.9	0.9309	14.5720	71,267	12,712	9.0	23.7428	16.8859
69,510	12,488	9.6	6.3604	17.5398	71,612	12,594	9.0	2.6316	21.3954	70,107	12,714	8.6	23.7905	16.4158
68,620	12,489	8.7	6.3562	2.5389	71,283	12,596	9.1	3.2135	18.0372	71,734	12,715	9.5	23.7902	22.5013
69,147	12,490	9.1	6.4773	11.9178	71,113	12,599	9.2	3.2995	15.5383	70,943	12,718	7.7	24.0122	12.6487
68,561	12,491	8.5	6.4446	2.0655	70,728	12,600	9.4	3.3272	10.1637	70,337	12,719	8.6	24.2117	5.1605
										70,339	12,722	8.0	24.4826	4.4616

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 18 ^h 20 ^m					R.A. 18 ^h 28 ^m (continued)					R.A. 18 ^h 36 ^m (continued)				
73,158	12,707	9.5	0.2571	11.1800	73,939	12,826	9.0	3.4884	24.4820	74,260	12,930	8.7	1.4677	7.3140
72,913	12,708	9.1	0.0291	25.4380	73,631	12,832	9.4	5.3759	15.2158	74,630	12,931	9.4	1.6422	16.3657
71,915	12,711	9.3	1.0159	18.7603	73,713	12,833	7.0	5.4625	17.6292	74,874	12,933	8.5	2.2376	22.6778
72,828	12,712	9.0	1.7015	16.8898	73,571	12,834	9.4	5.4741	12.4142	74,326	12,935	9.4	2.5074	8.6173
72,829	12,713	9.0	1.7428	16.4190	73,607	12,835	9.4	5.5780	13.5883	74,110	12,936	9.1	2.5564	2.9402
72,051	12,714	8.6	1.6802	1.8432	73,572	12,838	9.4	6.0544	12.5349	74,553	12,937	8.0	3.0093	15.2878
73,054	12,715	9.5	1.8254	22.5039	73,487	12,839	9.1	6.3747	10.3611	74,749	12,938	6.1	3.1839	20.1142
72,647	12,718	7.7	1.9132	12.0492	74,016	12,840	9.5	6.4999	25.9316	74,413	12,939	9.5	3.6150	10.5776
72,267	12,719	8.6	2.0104	5.1590	73,282	12,841	9.2	6.4114	3.4803	74,489	12,941	8.5	4.3565	13.3681
72,213	12,722	8.0	2.2718	4.4566	73,543	12,842	9.2	6.4863	11.6331	74,798	12,942	9.5	4.4917	20.9273
72,989	12,729	9.4	3.9178	20.6222	73,574	12,846	9.3	7.4328	13.1818	74,595	12,943	7.0	4.6429	16.2495
72,992	12,731	9.0	4.0256	20.5952	73,457	12,849	9.2	7.5064	9.3592	74,223	12,945	9.0	5.0102	5.8101
72,328	12,732	9.1	4.6728	5.0274	73,512	12,851	9.4	7.7479	10.4374	74,377	12,946	9.1	5.3586	9.6974
72,440	12,734	9.0	4.7532	8.9216	73,253	12,852	9.0	8.0100	2.5549	74,080	12,948	8.2	6.0277	1.6585
73,164	12,736	8.7	5.4209	25.8374	73,386	12,853	9.1	8.6424	6.5368	74,491	12,949	9.4	6.3664	13.1738
72,753	12,739	9.0	6.0520	14.3490	73,317	12,854	8.8	8.7975	5.3790	74,527	12,951	10.0	6.5528	14.3235
72,707	12,740	8.6	6.1878	14.1620	73,207	12,855	9.0	8.8407	0.9216	74,492	12,954	9.1	6.7478	13.1361
72,883	12,743	9.1	6.3966	17.0272	73,287	12,857	8.1	9.4616	3.4984	74,383	12,955	8.9	7.8546	10.0553
72,172	12,744	9.4	6.7073	3.4819	73,908	12,859	9.3	9.5788	24.4223	74,559	12,960	9.8	8.8094	14.7941
72,232	12,746	9.2	7.1923	4.9777	73,319	12,862	9.1	10.4142	4.5675	74,231	12,964	9.2	10.0440	5.7887
72,063	12,747	8.6	7.2150	2.1343	73,547	12,864	8.8	10.6387	11.5947	74,886	12,966	8.9	10.7685	23.1282
72,280	12,753	9.2	9.0871	5.4280	73,781	12,865	8.7	10.9027	20.1524	74,973	12,967	9.4	11.1198	25.1747
72,757	12,754	9.1	9.1918	14.9448	73,460	12,867	8.4	11.1207	9.3217	74,647	12,968	9.4	11.4433	16.6598
72,672	12,757	9.2	10.2912	13.1843	73,354	12,869	9.4	11.4211	6.1668	74,927	12,974	7.2	12.3445	24.1217
72,717	12,758	8.6	10.4495	13.4180	73,492	12,874	9.4	12.1430	9.5529	74,502	12,975	9.7	12.6446	12.5550
72,514	12,761	9.6	11.5493	9.9270	73,321	12,876	9.2	12.3377	5.1174	74,605	12,977	9.0	13.3713	15.7413
72,082	12,763	9.4	11.9925	1.7626	73,393	12,878	8.7	12.4157	7.0883	74,699	12,978	7.5	13.4608	17.6529
72,768	12,764	8.0	12.0722	14.0296	73,394	12,880	9.5	13.0582	7.2672	74,239	12,980	9.7	13.5775	5.5118
72,857	12,765	9.4	12.2303	16.4232	73,552	12,881	9.3	13.0719	11.6107	74,089	12,983	9.0	14.0791	2.1042
72,959	12,768	9.0	13.0225	19.4582	73,728	12,882	9.4	13.1771	17.9921	74,241	12,985	9.1	14.2659	6.2370
73,169	12,770	9.6	13.1950	25.2550	73,296	12,884	9.0	13.9891	4.4476	74,812	12,986	9.5	14.6127	21.2992
72,521	12,771	9.2	13.5286	9.5408	73,436	12,888	8.5	14.7852	8.4765	74,162	12,987	8.6	14.7446	4.1924
73,030	12,772	9.3	13.7575	21.8507	73,308	12,889	9.5	15.2103	20.5755	75,015	12,990	7.9	15.3580	25.7817
72,892	12,773	9.1	14.2491	17.8316	73,754	12,891	9.7	15.3573	19.0676	74,571	12,992	9.3	15.7907	14.7834
73,032	12,775	9.4	14.2647	21.9057	73,841	12,892	9.4	16.0188	21.6126	74,131	12,995	9.6	16.5877	3.1761
72,190	12,777	9.0	14.4616	3.9715	73,234	12,893	8.4	16.0885	1.7001	74,284	12,996	7.6	16.6280	7.1019
72,923	12,778	8.4	14.6830	18.9163	73,554	12,894	9.1	16.0774	11.9596	74,659	12,999	8.7	17.4481	16.9519
72,683	12,779	9.2	14.9234	12.5992	73,809	12,896	9.4	16.4049	21.3358	74,392	13,000	8.1	17.6340	10.2092
73,172	12,782	9.4	15.9021	25.9110	73,267	12,897	8.5	16.6788	3.0340	74,393	13,002	9.0	18.4157	9.6126
73,072	12,785	9.4	16.3994	23.0497	73,405	12,899	9.2	16.9107	6.7461	74,735	13,004	9.3	18.7619	19.1143
73,073	12,787	8.9	16.8505	22.4303	73,466	12,900	9.2	17.0004	9.1338	74,986	13,005	9.4	18.7923	25.3124
72,971	12,795	9.4	18.3143	19.3879	73,667	12,901	9.4	17.0013	16.4278	74,539	13,006	8.7	18.9993	14.3058
72,724	12,797	7.9	18.6646	13.7432	73,523	12,904	8.7	17.8811	10.6915	74,579	13,007	8.9	19.0507	14.5843
73,900	12,798	9.3	18.7202	17.6641	73,783	12,906	9.3	17.9905	20.4684	74,816	13,008	9.4	19.0462	21.0553
72,353	12,799	9.0	18.9956	6.7139	73,269	12,910	9.4	19.1808	3.4457	74,664	13,010	8.9	19.4418	17.4221
73,006	12,800	8.6	19.0431	20.5503	73,557	12,911	8.9	19.1520	12.3786	74,942	13,011	9.9	19.7759	24.1964
72,633	12,801	9.1	19.6152	11.5901	73,731	12,912	9.0	19.3309	18.3030	74,581	13,017	9.4	21.0577	14.6448
72,864	12,803	9.3	20.4835	16.6899	73,993	12,914	9.8	19.4845	25.0271	74,858	13,018	8.7	21.0244	21.8974
73,126	12,809	8.7	21.6495	24.0613	73,471	12,915	9.6	19.6334	9.5150	74,669	13,019	8.6	21.2877	17.2229
73,129	12,812	8.9	22.4121	23.8302	73,883	12,922	8.5	20.3863	23.1583	74,171	13,021	9.4	21.9210	3.6207
72,204	12,814	9.4	22.8489	3.9274	73,816	12,926	9.1	22.0893	21.3867	74,433	13,023	9.4	22.7442	11.4882
72,693	12,815	9.3	22.8015	13.1376	73,270	12,927	9.4	22.9206	3.4663	74,864	13,024	9.3	23.5524	22.1849
72,537	12,817	8.7	23.1050	10.0114	73,594	12,928	9.0	23.3453	12.7397	74,993	13,026	9.1	24.7577	25.1967
72,908	12,818	9.1	23.7682	17.6888	73,759	12,929	8.5	23.3525	18.8117	74,295	13,027	5.6	24.9554	7.0076
72,870	12,824	7.6	25.1535	16.8513	73,412	12,930	8.7	23.6397	7.3080	74,675	13,028	9.3	24.9726	17.2250
73,089	12,825	8.9	25.1136	23.0058	73,681	12,931	9.4	23.6907	16.3611	74,075	13,030	8.8	25.5665	1.5328
73,154	12,826	9.0	25.4261	24.5027	73,890	12,933	8.5	24.1999	22.6808	R.A. 18 ^h 44 ^m				
R.A. 18 ^h 28 ^m					73,475	12,935	9.4	24.6615	8.6251	75,390	13,023	9.4	0.6293	11.5060
73,894	12,812	8.9	0.4656	23.8522	73,274	12,936	9.1	24.7879	2.9492	75,673	13,024	9.3	1.5834	22.1909
73,276	12,814	9.4	0.6308	3.9440	73,651	12,937	8.0	25.0724	15.3021	75,754	13,026	9.1	2.8296	25.1854
73,568	12,815	9.3	0.7091	13.1548	73,790	12,938	6.1	25.1811	20.1307	75,235	13,027	5.6	2.7792	6.9960
73,480	12,817	8.7	0.9699	10.0244	73,535	12,939	9.5	25.7424	10.6002	75,544	13,028	9.3	2.9357	17.2118
73,711	12,818	9.1	1.7327	17.6923	R.A. 18 ^h 36 ^m					75,073	13,030	8.8	3.3155	1.5138
73,685	12,824	7.6	3.1116	16.8357	74,142	12,927	9.4	0.6963	3.4820	75,492	13,032	9.3	4.0346	15.4981
73,863	12,825	8.9	3.1557	22.9899	74,481	12,928	9.0	1.2475	12.7492	75,652	13,033	8.9	4.1189	21.7806
					74,717	12,929	8.5	1.3375	18.8208	75,463	13,035	9.1	4.4258	14.3618

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 18^h 44^m (continued)					R.A. 18^h 52^m (continued)					R.A. 19^h 0^m (continued)				
75,326	13,036	8.5	4.4155	9.2947	76,009	13,137	9.5	3.2879	9.3847	76,819	13,266	8.8	12.9627	12.9753
75,198	13,037	8.5	4.5127	5.8130	75,908	13,138	9.0	3.3667	5.7806	76,754	13,267	8.6	13.9370	10.0230
75,514	13,039	8.9	4.8281	16.6096	76,071	13,139	9.2	3.4576	11.2445	76,967	13,269	7.5	14.3500	17.8727
75,395	13,042	9.0	5.1639	11.4935	75,820	13,141	9.0	4.3281	1.9663	76,580	13,270	9.3	14.6542	3.8512
75,578	13,044	9.4	5.2453	18.3621	76,048	13,144	5.7	4.9026	10.5726	76,824	13,272	9.4	15.1385	12.8947
75,498	13,048	9.5	6.5879	15.5368	75,912	13,147	9.2	6.1057	5.7356	76,726	13,274	7.2	15.6496	8.8113
75,166	13,049	8.9	7.0387	4.3489	76,393	13,151	8.9	7.2133	23.5553	77,153	13,279	9.2	16.2139	25.2466
75,547	13,050	8.5	7.1053	17.4007	76,200	13,153	6.5	7.3689	16.6206	76,799	13,281	8.9	16.4037	11.6511
75,606	13,053	9.1	7.4138	20.0381	76,423	13,157	9.3	8.3315	25.1625	76,727	13,284	9.4	16.9431	8.7093
75,442	13,055	9.0	7.8989	13.1543	76,202	13,158	8.1	8.9084	16.3043	76,863	13,287	9.3	17.1482	13.4053
75,272	13,057	8.6	8.0614	7.2294	76,231	13,162	8.7	9.4138	17.6318	76,994	13,288	9.1	17.5294	18.7577
75,132	13,058	9.3	8.6712	3.2866	76,232	13,163	9.0	9.6728	18.1569	76,944	13,291	8.8	18.1136	16.4743
75,517	13,060	8.9	9.0440	16.9106	76,425	13,166	9.6	10.4599	24.9863	76,695	13,295	9.0	18.5019	7.3300
75,757	13,061	9.5	9.0835	25.6056	76,400	13,167	9.0	10.7007	24.0626	76,947	13,297	9.1	18.9763	16.9425
75,583	13,069	8.9	12.3276	18.6959	76,426	13,168	9.4	10.8362	24.5006	76,950	13,303	7.2	20.4321	17.1887
75,416	13,074	7.4	13.4318	12.5441	76,209	13,170	9.3	11.7650	17.0537	77,047	13,304	9.1	20.8688	20.4580
75,418	13,080	9.0	14.5205	12.2438	76,235	13,171	9.5	11.9064	17.6372	77,126	13,305	9.4	20.9249	23.7781
75,218	13,082	8.5	14.8032	5.5757	75,918	13,172	9.2	12.0487	5.9358	77,050	13,310	8.5	22.1171	21.0868
75,175	13,083	6.3	15.3067	4.3199	76,178	13,174	9.0	12.3754	15.3364	76,758	13,312	9.6	22.5690	10.6162
75,657	13,085	8.7	15.3833	21.6090	76,336	13,175	9.5	12.9300	21.9975	76,700	13,313	8.7	22.7267	7.4737
75,336	13,086	9.1	15.5352	9.3772	75,989	13,181	6.5	14.0797	8.9614	76,952	13,314	8.0	22.7441	17.2366
75,338	13,087	9.4	15.6445	9.9821	75,831	13,182	8.8	14.2185	2.2335	76,925	13,324	9.3	24.6832	15.9720
75,472	13,090	8.6	15.8933	15.0016	76,056	13,183	9.1	14.3478	10.5526	R.A. 19^h 8^m				
75,116	13,094	8.6	16.6311	2.6278	75,832	13,184	9.1	14.9051	2.2745	..	13,312	9.6	0.4340	10.0365
75,117	13,095	8.9	16.6575	2.6029	76,082	13,185	8.7	14.9321	12.2945	..	13,313	8.7	0.5570	7.4910
75,255	13,096	8.6	16.8017	6.3348	76,266	13,187	9.3	15.2160	18.7660	77,475	13,314	8.0	0.7076	17.2542
75,506	13,098	9.4	17.1301	15.9847	75,957	13,188	9.0	15.2355	8.2961	77,454	13,324	9.3	2.6293	15.9629
75,064	13,100	8.8	17.7609	0.7154	76,185	13,190	8.7	15.4630	15.6079	77,359	13,332	9.0	4.6750	9.6978
75,586	13,103	9.3	18.3706	18.8853	75,837	13,191	9.0	16.3954	1.4626	77,214	13,333	9.3	5.0997	1.8621
75,086	13,105	7.0	18.9315	1.4740	76,245	13,194	8.4	16.9575	17.8226	77,360	13,335	9.2	5.8465	10.2915
75,180	13,106	9.1	19.0283	4.8725	76,380	13,197	9.3	17.4650	23.1304	77,620	13,340	8.4	7.5340	23.8762
75,422	13,110	9.1	19.8122	12.9480	76,128	13,199	9.4	17.7134	13.9809	77,218	13,341	8.0	7.7512	2.1340
75,312	13,111	9.0	20.0158	9.1176	76,157	13,202	8.5	18.5767	15.3704	77,420	13,342	9.3	7.9047	13.8213
75,341	13,112	9.5	20.0559	9.4104	76,103	13,208	8.5	20.0858	13.1248	77,659	13,343	9.2	7.9573	25.6047
75,224	13,113	8.6	20.2664	6.0848	76,248	13,209	9.4	20.1540	17.9962	77,603	13,344	9.4	7.9674	23.2706
75,261	13,114	8.6	20.5983	7.1610	76,249	13,211	9.0	20.6860	18.1596	77,604	13,345	9.2	8.1223	22.4702
75,290	13,117	9.0	21.1106	7.3600	76,105	13,215	9.1	21.1238	12.5653	77,662	13,349	9.2	8.6808	25.4472
75,592	13,118	8.5	21.5453	18.8752	75,815	13,216	9.5	21.7577	0.8243	77,459	13,350	8.6	8.7738	15.4408
75,428	13,121	9.3	22.4182	12.9521	75,884	13,217	8.9	22.1303	4.1155	77,271	13,354	8.7	9.1713	5.2711
75,454	13,123	9.4	22.5314	13.3493	76,215	13,218	8.3	22.2171	17.4507	77,542	13,358	9.4	9.6002	20.2552
75,485	13,125	8.7	23.3379	14.9060	76,065	13,221	6.6	22.9569	11.0660	77,407	13,359	8.6	9.9220	12.5992
75,459	13,126	9.4	24.1762	13.7143	75,905	13,222	9.3	23.1831	5.1175	77,622	13,360	9.0	10.3542	23.5071
75,350	13,127	8.0	24.3507	9.3642	75,946	13,223	9.4	23.4927	6.6859	77,504	13,363	8.7	10.5450	17.8460
75,405	13,128	6.0	24.4194	11.4577	76,109	13,224	9.1	23.6318	13.1616	77,325	13,369	9.2	11.9743	7.5479
75,432	13,129	8.9	24.5873	13.2438	75,887	13,225	8.6	24.0854	3.8567	77,364	13,370	8.4	12.0021	9.8216
75,385	13,130	8.4	24.6612	10.7692	76,389	13,226	8.6	24.4355	23.0831	77,223	13,372	8.8	12.3180	2.1455
75,701	13,132	8.8	25.0652	23.1844	76,349	13,230	9.1	25.5318	21.7219	77,345	13,373	9.4	12.6088	9.0380
75,488	13,134	9.3	25.1910	15.2383	R.A. 19^h 0^m					77,224	13,374	9.0	12.6525	2.3629
75,461	13,135	9.3	25.2956	14.2339	76,954	13,218	8.3	0.1835	17.4756	77,425	13,375	8.1	12.8464	14.2203
75,094	13,136	9.2	25.4394	2.3212	76,763	13,221	6.6	0.8362	11.0810	77,485	13,376	9.4	13.0698	17.3191
75,352	13,137	9.5	25.4315	9.4030	76,595	13,222	9.3	0.9813	5.1299	77,465	13,377	8.7	13.2334	15.8360
75,229	13,138	9.0	25.5595	5.8000	76,649	13,223	9.4	1.3122	6.6939	77,256	13,379	7.5	13.4416	3.7652
75,387	13,139	9.2	25.5758	11.2651	76,809	13,224	9.1	1.5396	13.1674	77,427	13,380	9.5	13.5022	14.2648
R.A. 18^h 52^m					76,569	13,225	8.6	1.8664	3.8571	77,527	13,381	9.5	13.9745	18.8657
76,093	13,121	9.3	0.3232	12.9743	77,078	13,226	8.6	2.4786	23.0766	77,642	13,383	9.4	14.4136	24.8608
76,115	13,123	9.4	0.4419	13.3701	77,058	13,230	9.1	3.5562	21.7002	77,257	13,384	8.8	14.6171	3.9850
76,144	13,125	8.7	1.2696	14.9154	77,133	13,235	9.4	4.5160	24.9284	77,332	13,388	8.8	15.6599	8.1744
76,118	13,126	9.4	2.0916	13.7124	77,082	13,237	9.3	5.6079	22.9966	77,613	13,392	9.3	17.1681	23.4686
76,006	13,127	8.0	2.2067	9.3604	76,787	13,242	8.8	6.6555	11.3001	77,315	13,393	9.3	17.9535	7.5036
76,069	13,128	6.0	2.3040	11.4528	77,168	13,243	8.4	6.7292	25.9543	77,646	13,394	9.4	17.9071	25.2700
76,119	13,129	8.9	2.4962	13.2364	76,747	13,248	8.5	7.9667	9.4890	77,334	13,395	9.3	18.0323	8.3037
76,044	13,130	8.4	2.5364	10.7612	76,853	13,249	7.2	8.0418	13.5283	77,244	13,399	9.0	18.4417	3.5075
76,353	13,132	8.8	3.1096	23.1692	77,111	13,256	9.0	10.8571	23.3962	77,204	13,400	8.6	18.4737	1.1426
76,170	13,134	9.3	3.1270	15.2223	76,659	13,257	9.5	10.8849	6.4859	77,299	13,405	9.4	19.9743	5.8393
76,147	13,135	9.3	3.2179	14.2167	76,517	13,258	9.5	11.0312	0.9509	77,207	13,407	8.6	20.3239	0.6871
75,844	13,136	9.2	3.1992	2.3038	77,063	13,259	9.3	11.1497	21.7291	77,514	13,409	8.9	20.7667	17.7827

Reference No.					Reference No.					Reference No.				
Mag.		Standard co-ordinates, 1900-0.			Mag.		Standard co-ordinates, 1900-0.			Mag.		Standard co-ordinates, 1900-0.		
Hyd.	Cordoba.	ξ'.	η'.		Hyd.	Cordoba.	ξ'.	η'.		Hyd.	Cordoba.	ξ'.	η'.	
R.A. 19^h 8^m (continued)					R.A. 19^h 16^m (continued)					R.A. 19^h 32^m (continued)				
77,304	13,410	8.8	21.2754	5.4242	78,212	13,526	9.1	23.0553	17.0301	79,738	13,633	9.2	5.2076	16.2610
77,228	13,412	8.5	21.4781	2.5155	77,954	13,528	7.0	23.3253	8.7946	79,844	13,637	8.0	6.4939	19.3529
77,647	13,414	9.1	21.9688	25.2627	77,901	13,529	8.8	24.0831	6.9802	79,453	13,638	8.5	6.6763	5.6306
77,437	13,417	8.9	23.0301	14.1209	77,780	13,530	8.7	25.0849	2.7024	79,740	13,640	9.4	7.0633	15.4643
77,601	13,424	9.2	24.1634	22.3945	77,728	13,531	6.7	25.1198	0.7411	79,556	13,645	9.2	7.6621	9.7134
77,373	13,427	9.5	24.9152	9.6508	R.A. 19^h 24^m					79,673	13,650	8.7	8.8147	13.4591*
77,497	13,428	9.4	24.8792	17.5554	79,151	13,523	9.2	0.7917	20.4771	79,800	13,655	9.1	9.6515	17.8333
77,451	13,429	9.3	24.9721	15.3607	78,805	13,524	9.1	0.8475	9.5032	79,478	13,656	9.0	9.8219	6.8846
R.A. 19^h 16^m					78,741	13,525	9.0	0.8893	7.3188	79,395	13,658	8.0	10.1251	2.4943
78,087	13,417	8.9	0.9511	14.1347	79,012	13,526	9.1	1.0159	17.0434	79,479	13,660	8.4	11.2073	6.7554
78,403	13,424	9.2	2.1972	22.3920	78,771	13,528	7.0	1.1737	8.8047	79,979	13,663	9.4	11.5854	24.1906
77,961	13,427	9.5	2.7751	9.6395	78,713	13,529	8.8	1.9067	6.9802	79,397	13,664	7.9	11.5738	3.1216
78,220	13,428	9.4	2.8469	17.5435	78,604	13,530	8.7	2.8499	2.6897	79,361	13,665	9.1	11.6786	0.4644
78,151	13,429	9.3	2.9099	15.3477	78,553	13,531	6.7	2.8581	0.7281	79,805	13,670	9.2	12.8596	18.2908
78,497	13,432	8.7	3.8946	25.8201	79,237	13,537	9.7	4.6645	23.6824	79,484	13,678	9.2	14.4024	7.1192
77,821	13,435	8.1	4.4528	4.4404	79,126	13,540	8.0	5.5308	19.5806	79,588	13,686	9.1	16.5003	10.6428
78,092	13,436	9.4	4.5012	13.3910	78,842	13,542	8.9	5.7419	10.8201	79,537	13,687	9.2	16.8064	9.2627
77,823	13,437	9.3	4.7781	5.0831	79,268	13,544	9.3	6.3271	24.6597	79,651	13,693	8.4	17.8794	12.4830
78,376	13,439	8.4	5.4385	21.8964	78,927	13,547	8.6	7.6088	13.9260	79,903	13,694	6.8	17.9925	20.8676
78,345	13,440	9.7	5.4364	21.1512	78,694	13,549	9.0	7.8852	5.2692	79,831	13,696	9.2	18.2071	19.0830
77,762	13,442	9.0	5.6445	2.5129	78,718	13,550	9.0	8.3790	6.5392	79,441	13,699	7.5	18.4897	4.5036
77,763	13,444	9.3	6.1816	2.5642	79,240	13,551	9.3	8.6221	23.8388	79,590	13,701	9.2	18.6453	10.6950
78,226	13,445	9.4	6.3960	17.9278	78,870	13,555	9.0	9.5244	11.3947	79,907	13,703	6.1	18.7912	20.9077
77,855	13,446	8.2	6.7509	5.4400	79,092	13,557	9.3	9.6408	18.8567	79,867	13,705	8.2	19.4985	19.7437
78,002	13,447	9.1	6.7774	10.9078	78,968	13,567	9.3	12.0219	15.1050	79,652	13,706	8.5	19.6882	12.4475
78,299	13,452	9.1	7.9954	19.9032	78,969	13,569	9.3	12.4181	15.1524	79,812	13,709	9.3	20.8410	17.7887
77,743	13,455	8.8	8.7349	1.6115	79,246	13,573	9.3	12.8930	23.4405	79,594	13,710	9.4	21.1271	10.9915
77,916	13,457	6.0	9.2421	8.0682	78,616	13,577	8.7	13.5455	3.2154	79,986	13,713	8.5	21.4019	23.5954
78,157	13,458	8.4	9.3397	15.8876	78,816	13,578	9.2	13.9862	9.4400	79,544	13,715	9.3	21.5095	8.8246
78,442	13,459	8.7	9.4669	23.8029	78,652	13,579	9.6	14.0898	3.4998	79,833	13,716	9.4	21.5608	19.2306
78,480	13,461	8.9	9.8528	25.2638	79,097	13,580	9.6	14.1402	18.5885	79,990	13,720	8.6	23.0968	23.4498
77,710	13,462	8.2	10.0833	0.8500	79,219	13,583	9.4	14.8667	22.5727	79,755	13,721	9.2	23.7683	15.5419
78,416	13,464	8.0	10.3409	22.6602	79,027	13,587	9.2	15.6854	16.9993	79,520	13,725	9.0	24.2299	8.4112
77,793	13,465	9.3	10.3659	4.1335	79,193	13,588	9.2	15.8840	21.9679	79,991	13,726	8.9	24.4600	23.6971
78,163	13,472	9.0	12.3557	15.4901	78,976	13,589	9.0	15.9077	14.3789	R.A. 19^h 40^m				
78,131	13,477	8.5	12.8051	15.0153	79,224	13,592	9.0	16.4080	22.8857	80,621	13,720	8.6	1.1450	23.4623
77,800	13,480	8.4	13.7807	4.1447	78,977	13,593	9.0	17.2133	14.8898	80,404	13,721	9.2	1.7087	15.5455
77,760	13,481	9.7	13.8112	2.3251	79,035	13,595	8.5	17.6362	16.7080	80,228	13,725	9.0	2.0729	8.4091
77,944	13,482	9.5	13.8991	8.3759	79,227	13,598	8.6	18.3427	22.4497	80,624	13,726	8.9	2.5114	23.6902
78,165	13,484	9.3	13.9448	15.4700	79,070	13,601	9.6	19.5264	18.2788	80,437	13,734	9.3	4.1182	16.6525
77,976	13,485	9.1	14.2135	10.2157	78,905	13,602	7.4	19.6868	12.4480	80,595	13,737	9.4	5.2648	22.5258
78,389	13,486	8.9	14.0786	22.2373	78,055	13,609	8.7	21.2684	3.5820	80,646	13,738	9.4	5.3155	24.4277
77,752	13,487	9.1	14.9369	1.8124	78,801	13,613	9.8	22.5252	8.8367	80,597	13,740	8.6	5.7929	23.2411
78,360	13,488	9.4	15.1560	20.0632	78,765	13,614	9.0	22.7038	7.9043	80,172	13,741	9.4	5.7644	6.3598
77,922	13,489	9.0	15.2945	7.9938	79,202	13,617	9.5	23.7926	21.5893	80,598	13,742	9.0	6.5939	22.8171
78,392	13,497	9.4	17.3931	22.3101	79,114	13,618	9.1	24.1504	19.1231	80,098	13,743	8.7	6.5202	3.0184
78,173	13,498	9.2	17.6208	15.9657	78,689	13,619	8.6	24.5551	4.8805	80,231	13,746	9.2	6.9487	9.2560
77,891	13,499	9.5	17.6563	6.7743	79,146	13,621	8.5	24.7610	19.5403	80,464	13,750	8.5	8.7577	17.6814
78,175	13,501	8.5	18.6138	16.0698	79,148	13,623	9.0	25.1515	19.9241	80,363	13,751	7.5	9.0441	14.1405
78,281	13,502	8.9	18.6198	19.0861	79,311	13,624	6.7	25.4103	25.9553	80,489	13,753	7.5	9.3775	19.0293
78,110	13,504	9.4	18.8330	13.6228	79,076	13,625	9.0	25.5061	18.0094	80,271	13,754	8.4	9.4937	10.4085
78,325	13,505	9.6	18.8707	20.2188	R.A. 19^h 32^m					80,652	13,756	9.2	9.6995	25.3062
78,364	13,506	8.9	18.9942	20.6297	79,521	13,613	9.8	0.3741	8.8577	80,234	13,761	9.1	10.7545	8.3914
77,981	13,507	8.8	19.3481	10.1556	79,496	13,614	9.0	0.5400	7.9228	80,338	13,762	9.0	11.0447	12.8829
78,015	13,508	8.4	19.6688	10.7675	79,919	13,617	9.5	1.8154	21.5920	80,248	13,767	9.3	12.2640	9.8092
78,247	13,509	9.1	19.9936	17.4117	79,822	13,618	9.1	2.1395	19.1212	80,417	13,768	9.1	12.3193	16.2018
78,046	13,510	8.7	20.1515	11.6946	79,431	13,619	8.6	2.3499	4.8746	80,135	13,771	8.6	12.9459	4.7706
78,018	13,511	9.2	20.2125	10.5062	79,836	13,621	8.5	2.7558	19.5297	80,447	13,776	9.3	13.5047	16.6794
77,984	13,512	8.2	20.3042	10.2189	79,858	13,623	9.0	3.1515	19.9080	80,606	13,777	9.2	13.6802	22.8335
78,047	13,513	9.3	20.5560	11.9799	80,012	13,624	6.7	3.4925	25.9347	80,659	13,784	8.5	16.0531	24.7544
77,757	13,516	9.4	21.4421	1.8557	79,796	13,625	9.0	3.4798	17.9886	80,370	13,785	8.9	16.1996	13.5202
78,181	13,517	8.0	21.5020	15.8599	79,736	13,626	9.2	3.9011	15.6128	80,550	13,786	8.8	16.2568	20.5110
78,328	13,518	8.8	21.5407	19.6470	79,415	13,628	8.8	4.0995	3.6370	80,372	13,788	8.2	17.1949	13.6714
78,370	13,523	9.2	22.7842	20.4600	79,502	13,630	9.5	4.6604	7.9249	80,084	13,790	8.4	17.3789	1.8800
77,987	13,524	9.1	22.9897	9.4887	79,668	13,632	9.7	5.0912	13.9737	80,394	13,794	9.5	18.7169	15.2380
77,900	13,525	9.0	23.0613	7.3050						80,162	13,795	9.4	18.7650	6.0771

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		z'.	η'.	Hyd.	Cordoba.		z'.	η'.	Hyd.	Cordoba.		z'.	η'.
R.A. 19^h 40^m (continued)					R.A. 19^h 56^m (continued)					R.A. 20^h 12^m				
80,284	13,796	9.4	18.8245	11.0034	81,439	13,916	8.7	5.0445	7.4383	..	14,048	9.2	0.1795	13.0257
80,453	13,801	8.6	19.6544	17.2766	81,418	13,917	9.3	5.2422	0.9417	..	14,049	8.7	0.2249	5.3667
80,123	13,802	9.3	20.0550	4.2877	81,332	13,918	8.1	5.4852	3.3289	..	14,050	9.0	0.4506	18.0504
80,638	13,803	9.5	20.4714	24.2440	81,419	13,920	0.0	6.4088	6.8010	..	14,051	9.3	0.6785	6.2641
80,557	13,805	9.4	20.7712	20.4624	81,826	13,922	9.3	7.3566	24.0035	82,097	14,056	8.8	2.8497	15.2087
80,667	13,808	8.6	23.7848	24.0630	81,576	13,923	9.0	7.6786	5.1552	82,434	14,057	8.1	3.0007	5.1202
80,357	13,810	7.8	24.8917	13.4197	81,703	13,924	9.5	7.8594	19.0818	82,435	14,059	9.3	3.8040	5.1056
80,191	13,812	9.1	24.9093	6.7530	81,322	13,925	9.0	7.8555	1.5685	82,578	14,063	9.0	5.4108	11.7708
80,618	13,813	8.9	25.0669	23.3795	81,580	13,930	9.3	9.3504	14.3274	82,838	14,065	9.5	6.4899	21.0741
R.A. 19^h 48^m					81,533	13,935	8.3	9.8663	11.9287	82,753	14,066	9.4	6.7433	17.7871
81,218	13,808	8.6	1.8496	24.6655	81,704	13,939	9.2	11.0857	18.6980	82,913	14,068	9.2	7.9438	24.7777
80,965	13,810	7.8	2.8029	13.4081	81,563	13,940	6.0	11.4979	13.1477	82,859	14,071	8.6	8.1752	21.4931
80,817	13,812	9.1	2.7896	6.7411	81,401	13,943	8.2	12.2320	5.6242	82,880	14,073	7.7	8.1752	21.4931
81,193	13,813	8.9	3.1140	23.3642	81,685	13,944	9.1	12.0650	17.7171	82,379	14,075	9.1	8.6637	2.3677
80,927	13,819	9.4	4.4073	11.9283	81,353	13,945	9.2	12.8283	3.7025	82,556	14,077	9.0	9.4696	10.3559
81,163	13,820	9.4	4.6401	22.8788	81,770	13,946	9.5	13.9089	23.0848	82,934	14,078	9.4	9.6942	25.3999
81,119	13,821	8.9	5.0801	20.4229	81,586	13,947	8.6	14.9158	14.3382	82,647	14,081	9.5	11.3477	13.9521
81,090	13,824	9.4	5.5662	19.9045	81,707	13,950	9.3	15.9114	19.2186	82,589	14,086	9.4	13.0774	11.9137
80,861	13,827	9.4	6.2759	8.6693	81,816	13,953	9.3	16.4528	24.1579	82,384	14,091	6.1	13.4137	2.4265
80,707	13,828	9.5	7.2292	0.7846	81,429	13,955	9.2	16.8747	7.4781	82,626	14,093	9.4	15.5245	12.2291
80,824	13,834	9.5	8.5722	6.5464	81,637	13,958	8.2	17.2536	15.8360	82,423	14,094	7.6	13.6014	4.6884
80,946	13,835	9.0	8.6057	13.2647	81,795	13,962	9.2	17.9125	23.2201	82,917	14,095	9.2	14.7779	25.0759
80,825	13,840	9.2	9.4648	6.6453	81,518	13,964	6.5	18.0122	11.5254	82,937	14,096	9.5	14.8570	25.5008
81,057	13,843	8.2	9.8762	17.9514	81,497	13,966	9.1	18.3705	9.7568	82,765	14,098	9.1	15.9032	17.6654
80,842	13,844	9.5	10.0387	7.9413	81,708	13,968	8.5	18.7478	19.0829	82,864	14,099	9.4	16.3092	21.5566
81,059	13,845	9.5	10.2324	18.0378	81,360	13,969	9.2	19.0512	4.0701	82,630	14,100	9.5	16.3758	13.0775
80,948	13,847	9.4	10.3526	13.2522	81,328	13,971	9.2	19.4805	2.0165	82,359	14,101	9.4	16.4887	0.5319
81,225	13,849	9.8	10.9189	24.5205	81,431	13,975	8.0	20.0069	6.6609	82,463	14,103	8.6	16.6371	6.2728
81,123	13,850	8.9	11.7322	20.8052	81,408	13,976	9.3	20.2642	6.1522	82,659	14,107	8.7	17.6564	13.5184
81,081	13,851	9.2	12.2393	19.0820	81,590	13,977	9.3	20.4463	13.6975	82,404	14,110	8.8	17.9905	3.4115
80,887	13,852	9.3	12.2486	9.3382	81,341	13,978	9.0	21.2546	3.3698	82,923	14,111	9.2	18.6750	25.0283
80,888	13,856	9.1	13.2384	9.8133	81,565	13,979	9.3	21.6890	13.0260	82,716	14,113	9.7	19.0952	15.2182
80,933	13,862	9.5	14.5006	12.3070	81,550	13,981	8.9	22.5084	12.0190	82,801	14,114	9.5	19.3355	18.6394
80,710	13,864	9.2	14.8222	1.0257	81,520	13,982	9.4	23.2594	11.5530	82,390	14,119	9.3	20.7942	2.7229
81,041	13,865	9.6	15.5462	17.0211	81,500	13,983	9.4	23.2835	9.7852	82,468	14,121	9.7	21.5141	6.8814
80,805	13,874	9.4	16.6571	5.6890	R.A. 20^h 4^m					82,928	14,125	9.2	22.1341	25.1225
81,234	13,875	9.0	17.3016	24.6781	..	13,981	8.9	0.4007	12.0401	82,391	14,126	9.3	22.4136	2.5837
80,766	13,879	9.2	18.4786	3.7952	82,062	13,982	9.4	1.1454	11.5638	82,868	14,127	9.5	22.4345	22.0379
81,086	13,883	9.4	20.0500	19.0051	82,026	13,983	9.4	1.1454	9.7958	82,662	14,130	9.1	22.6590	14.1846
81,069	13,884	9.4	20.0870	17.9769	81,901	13,990	7.8	3.7629	0.5449	82,887	14,131	7.6	22.8132	22.5477
80,955	13,886	8.5	20.4649	12.7609	82,279	13,992	9.4	4.1880	23.6879	82,607	14,132	9.6	22.9748	11.2264
81,046	13,887	7.9	20.4556	16.9812	82,930	13,996	9.6	6.4091	4.0562	82,430	14,134	9.4	23.6833	4.8801
80,876	13,888	8.9	20.6266	8.6226	82,244	13,997	9.3	6.6132	22.2625	82,431	14,136	7.5	24.7848	4.3352
80,768	13,889	9.3	20.7364	4.2626	82,217	13,998	9.4	6.6625	21.3002	R.A. 20^h 20^m				
81,021	13,890	9.3	20.9518	16.3618	82,281	14,001	9.5	6.8962	23.7515	82,980	14,126	9.3	0.1772	2.6061
81,133	13,891	9.5	21.2134	20.9081	82,258	14,007	7.6	9.2847	23.5359	83,361	14,127	9.5	0.4635	22.0598
81,210	13,895	9.3	21.6947	24.3308	82,183	14,009	9.3	9.7875	18.9741	83,196	14,130	9.1	0.8308	14.2035
81,007	13,899	8.9	23.3013	15.4637	82,082	14,010	8.8	9.9638	12.8088	83,383	14,131	7.6	0.8491	22.5642
80,854	13,904	9.4	24.9621	8.3036	82,118	14,014	9.1	11.3488	14.9681	83,136	14,132	9.6	0.8563	11.2411
81,115	13,905	8.3	25.1085	20.2291	81,964	14,017	9.0	12.5887	6.2491	83,016	14,134	9.4	1.4783	4.8856
80,922	13,906	9.1	25.3957	11.3732	81,919	14,027	9.6	16.0314	2.7607	83,020	14,136	7.5	2.5722	4.3262
80,834	13,907	8.1	25.8543	7.2939	82,171	14,028	9.6	16.1048	18.0631	83,107	14,140	8.2	3.9953	8.9863
..	13,908	8.9	25.7699	24.3826	81,939	14,032	8.3	17.2237	3.9740	83,299	14,141	9.5	4.4140	19.4095
R.A. 19^h 56^m					82,072	14,036	9.5	19.1473	11.9219	83,065	14,146	9.4	5.6071	6.4165
81,623	13,899	8.9	1.2406	15.4738	82,236	14,037	9.1	19.5525	21.0203	83,419	14,150	9.3	7.1200	25.8030
81,436	13,904	9.4	2.8035	8.2917	82,253	14,038	8.0	20.5007	21.8765	83,108	14,151	9.5	7.2153	9.2171
81,712	13,905	8.3	3.1126	20.2135	82,039	14,039	9.5	20.5588	10.0064	83,209	14,153	8.9	7.6901	13.5997
81,503	13,906	9.1	3.2790	11.3550	82,187	14,041	9.1	20.6268	19.6129	83,370	14,155	8.4	8.6323	22.5787
81,414	13,907	8.1	3.6818	7.2704	82,145	14,045	8.3	21.1921	16.4413	83,048	14,156	8.5	8.8060	5.4650
81,805	13,908	8.9	3.8305	24.3572	82,089	14,048	9.2	22.2738	13.0015	82,995	14,161	9.4	9.9698	2.4069
81,528	13,910	9.1	3.9941	11.6702	81,955	14,049	8.7	22.4287	5.3447	83,144	14,162	9.5	10.4171	10.6953
81,714	13,914	8.0	4.8835	20.3152	82,175	14,050	9.0	22.4823	18.0291	83,408	14,163	9.5	10.8970	24.8920
81,783	13,915	9.5	4.9629	23.3715	81,971	14,051	9.3	22.8649	6.2477	83,303	14,164	8.5	10.9467	19.0762
					82,132	14,056	8.8	24.9138	15.2209	83,390	14,165	9.1	11.4779	22.6703
					81,956	14,057	8.1	25.2625	5.1356	82,956	14,166	8.5	12.1774	0.8280
										82,976	14,167	8.9	12.2240	2.2974

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ'.	η'.	Hyd.	Cordoba.		ξ'.	η'.	Hyd.	Cordoba.		ξ'.	η'.
R.A. 20 ^h 20 ^m (continued)					R.A. 20 ^h 28 ^m (continued)					R.A. 20 ^h 36 ^m (continued)				
83,103	14,198	8.7	12.2971	11.7695	83,702	14,277	9.5	14.5524	18.2762	84,432	14,397	9.2	23.1434	24.4610
83,104	14,171	9.0	12.9714	12.0143	83,681	14,279	9.4	15.7387	14.5307	84,099	14,398	9.1	23.6022	9.5159
83,120	14,177	8.8	14.5993	10.2671	83,701	14,280	9.3	15.9823	15.5540	83,915	14,400	9.4	24.0726	0.9031
83,355	14,178	9.2	14.6728	20.7642	83,682	14,281	8.9	16.1888	14.2101	84,262	14,401	9.3	23.9808	16.5881
83,507	14,179	9.3	14.8763	3.9069	83,638	14,283	9.0	16.3845	12.2233	83,940	14,406	8.2	25.0853	2.2633
83,354	14,180	9.0	15.0096	21.0294	83,486	14,286	9.2	17.0045	2.9824	84,414	14,410	8.7	25.1978	23.7325
83,373	14,181	9.1	15.4413	22.3575	83,457	14,287	9.3	17.0117	0.9872	83,941	14,411	9.1	25.7749	2.5087
83,598	14,182	9.3	15.4882	7.5477	83,848	14,289	8.5	17.3430	23.5659	R.A. 20 ^h 44 ^m				
83,105	14,184	8.5	16.1421	11.6033	83,849	14,292	9.1	18.3184	23.5526	..	14,393	9.4	0.5164	2.4263
83,375	14,186	9.4	16.2311	22.5837	83,875	14,293	9.3	18.4335	25.9112	84,601	14,394	9.4	0.6371	8.4773
83,532	14,188	9.1	16.8772	4.6958	83,534	14,294	9.2	19.0035	6.2138	84,656	14,396	9.1	0.8505	12.6102
83,531	14,192	9.2	18.1760	5.2290	83,865	14,295	9.5	19.1121	24.4572	84,880	14,397	9.2	1.2055	24.4727
83,535	14,195	8.4	19.1920	5.2361	83,535	14,296	9.4	19.2554	5.8458	84,613	14,398	9.1	1.4603	9.5222
83,259	14,197	7.5	19.2099	17.1471	83,458	14,297	9.0	19.2851	0.8821	84,501	14,400	9.4	1.8133	0.9039
83,414	14,198	8.4	19.3822	25.7190	83,665	14,299	8.7	19.9968	13.6978	84,727	14,401	9.3	1.9355	16.5887
83,395	14,199	9.5	19.7813	25.5526	83,730	14,304	9.4	22.4614	16.6523	84,520	14,406	8.2	2.8441	2.2506
83,188	14,202	9.3	20.1570	13.0521	83,461	14,305	9.7	23.3052	1.4505	84,859	14,410	8.7	3.2497	23.7151
83,110	14,207	9.2	21.2024	8.5723	83,612	14,309	7.6	23.7306	10.5362	84,521	14,411	9.1	3.5372	2.4870
83,117	14,208	9.1	21.4168	8.9757	83,473	14,311	9.2	24.4455	2.1718	84,590	14,414	7.1	3.8126	7.3533
83,415	14,209	8.9	21.3696	24.9651	83,878	14,312	9.3	24.3815	25.2803	84,523	14,415	9.2	3.8338	1.6807
83,294	14,211	9.4	21.8235	18.5720	83,690	14,314	8.8	24.5951	14.0256	84,628	14,416	9.2	4.1967	10.6313
83,130	14,215	6.5	23.1156	9.7088	83,539	14,317	9.5	24.7849	6.2438	84,603	14,417	8.8	4.6804	8.3122
83,131	14,216	9.3	23.2284	10.4150	83,607	14,319	9.5	25.0442	13.7119	84,549	14,418	9.1	4.9429	4.2712
83,234	14,217	7.6	23.3372	15.1670	83,540	14,320	9.4	25.7804	6.7542	84,833	14,419	9.5	5.1168	22.6702
83,114	14,219	9.4	23.5998	8.9598	R.A. 20 ^h 36 ^m					84,562	14,422	8.7	5.8674	4.7514
83,358	14,220	9.4	23.6999	21.3487	84,205	14,304	9.4	0.4170	16.6739	84,526	14,423	9.1	6.4626	2.3878
83,192	14,222	9.1	23.8425	12.7713	83,919	14,305	9.7	1.0534	1.4612	84,711	14,424	9.3	6.5885	15.5545
83,171	14,223	9.1	23.8542	12.0542	84,124	14,309	7.6	1.6027	10.5407	84,865	14,425	7.9	7.4143	23.1067
83,317	14,225	9.0	24.1516	19.4736	83,921	14,311	9.2	2.2034	2.1675	84,907	14,426	9.4	7.6932	25.1440
82,909	14,227	9.5	24.7242	2.9770	84,436	14,312	9.3	2.4546	25.2744	84,593	14,427	9.1	7.9932	7.4472
83,154	14,228	8.5	24.7762	11.1307	84,200	14,314	8.8	2.5146	14.0181	84,837	14,428	9.0	8.3429	22.8130
83,352	14,229	9.5	25.0778	22.1739	84,009	14,317	9.5	2.5982	6.2346	84,712	14,429	8.2	8.7135	15.5691
82,965	14,231	9.2	25.8208	0.9094	84,201	14,319	9.5	2.9594	13.6982	84,910	14,430	8.9	8.7731	24.9652
R.A. 20 ^h 28 ^m					84,035	14,320	9.4	3.6006	6.7317	84,690	14,432	7.3	8.9349	14.2444
83,594	14,215	6.5	0.9764	9.7216	83,923	14,322	9.7	3.8583	2.2384	84,578	14,433	8.9	9.3065	6.3336
83,595	14,216	9.3	1.0988	10.4262	84,077	14,324	8.8	4.5813	9.0571	84,822	14,434	9.2	10.1587	21.5407
83,691	14,217	7.0	1.2725	15.1765	84,203	14,327	9.0	5.6132	14.1479	84,885	14,435	9.4	10.1676	24.4810
83,577	14,219	9.4	1.4504	8.9662	84,269	14,332	9.2	7.5905	16.6902	84,630	14,437	8.9	10.5225	10.3066
83,801	14,220	9.4	1.7194	21.3528	84,224	14,333	8.5	7.7057	15.1498	84,551	14,438	9.5	10.5345	3.6155
83,047	14,222	9.1	1.7450	12.7741	84,270	14,335	8.7	7.9644	17.6270	84,753	14,439	9.4	10.8560	17.7882
83,628	14,223	9.1	1.7469	12.0569	84,379	14,336	9.2	8.0299	22.0491	84,823	14,440	9.6	10.9029	21.0111
83,776	14,225	9.0	2.1455	19.4715	84,271	14,338	9.1	8.0613	17.1826	84,510	14,441	9.0	11.1101	1.0255
83,476	14,227	9.5	2.4931	2.9690	..	14,342	9.1	8.7653	0.1033	84,663	14,447	9.2	12.1002	12.1471
83,614	14,228	8.5	2.6563	11.1210	83,906	14,345	8.7	9.4027	0.7328	84,554	14,450	8.4	13.1231	4.1741
83,818	14,229	9.5	3.1085	22.1585	84,360	14,346	9.1	9.6344	21.2888	84,888	14,451	9.4	13.4831	24.3266
83,452	14,231	9.2	3.5613	0.8873	84,230	14,353	9.2	11.2096	15.5136	..	14,453	9.7	15.6413	0.2811
83,615	14,234	9.2	4.5507	10.8015	83,952	14,355	9.2	11.8953	3.4111	84,513	14,457	9.4	16.5712	0.9771
83,570	14,237	8.8	4.8385	9.4602	84,085	14,357	9.0	12.4145	8.9434	84,531	14,458	9.4	16.9107	1.7017
83,518	14,238	9.1	4.8358	6.4448	84,309	14,359	7.6	13.0248	18.9168	84,570	14,459	9.3	16.9260	5.3888
83,510	14,239	9.2	5.0586	5.6803	84,132	14,361	9.1	13.6088	10.9234	84,716	14,461	9.6	17.5012	15.5344
83,854	14,240	8.7	5.3904	24.6044	84,232	14,362	9.2	13.8520	15.4859	84,555	14,462	9.0	17.6391	4.5477
83,671	14,243	8.2	6.8735	13.7673	84,278	14,363	8.8	13.9286	17.2971	84,893	14,465	9.6	18.6925	24.1932
83,617	14,244	8.4	6.8819	11.1017	84,186	14,364	8.9	13.9413	12.8310	84,700	14,466	8.7	18.8590	13.9297
83,778	14,245	9.0	7.0870	19.6683	84,189	14,368	9.1	16.5954	13.6607	84,743	14,467	9.3	19.1491	16.6471
83,503	14,247	9.2	7.3184	5.4481	84,000	14,369	8.8	16.6414	4.8594	84,701	14,471	9.6	19.9556	14.2871
83,633	14,248	9.1	7.6261	11.6396	84,094	14,372	8.8	17.2666	8.9645	84,580	14,472	9.4	21.1536	6.5150
83,634	14,249	9.3	7.8429	12.0269	84,135	14,373	7.2	17.4456	10.7597	84,915	14,474	9.1	21.4028	25.3302
83,782	14,250	8.9	8.2034	18.9625	84,408	14,376	8.0	17.9027	22.9654	84,896	14,476	9.3	21.8066	24.3388
83,546	14,253	8.0	8.4822	6.9180	84,070	14,379	9.0	18.8630	8.3681	84,897	14,478	9.3	22.5352	24.3517
83,547	14,254	8.5	8.5855	7.0024	84,447	14,381	9.1	19.8821	25.1182	84,572	14,479	9.0	22.9693	5.0601
83,465	14,258	9.4	9.0366	2.3522	84,004	14,382	9.5	19.9951	4.8802	84,718				

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ'.	η'.	Hyd.	Cordoba.		ξ'.	η'.	Hyd.	Cordoba.		ξ'.	η'.
R.A. 20 ^h 52 ^m					R.A. 21 ^h 0 ^m (continued)					R.A. 21 ^h 16 ^m				
85,333	14,478	9.3	0.5957	24.3720	85,500	14,587	9.2	15.4565	5.8933	86,301	14,985	9.3	0.0870	0.9878
85,001	14,479	9.0	0.7667	5.0732	85,839	14,590	9.2	15.8715	24.8706	86,366	14,687	8.3	0.6408	6.9646
85,191	14,480	9.3	1.1598	15.5530	85,755	14,591	7.7	15.9061	20.3996	86,323	14,688	8.2	0.6421	2.9243
85,092	14,481	8.6	1.4525	10.6858	85,757	14,592	7.1	16.4525	19.6120	86,528	14,689	9.4	1.0854	19.7262
85,319	14,483	9.3	2.3739	23.6414	85,504	14,594	9.4	17.7565	5.5385	86,315	14,693	8.9	1.5231	1.2546
85,093	14,487	9.1	3.4131	10.1937	85,535	14,596	9.2	18.1189	7.7871	86,369	14,694	9.0	2.7180	6.6009
85,017	14,488	9.7	3.5974	6.7297	..	14,597	9.2	18.2802	0.6163	86,559	14,698	9.3	5.0117	21.5918
84,972	14,492	8.7	4.2748	3.6177	85,579	14,598	7.7	18.9992	9.8519	86,371	14,699	8.2	5.1042	6.5045
85,018	14,494	8.1	4.8293	6.7972	85,431	14,599	9.1	19.0422	1.8785	86,392	14,705	9.2	6.8773	9.2780
85,071	14,495	9.3	5.1788	9.3329	85,777	14,600	9.3	19.2906	21.3530	86,350	14,708	8.4	7.5836	5.2515
85,194	14,496	8.6	5.4342	15.7966	85,435	14,603	8.1	20.9721	2.0530	86,412	14,709	9.1	7.8995	10.4032
85,036	14,501	8.2	6.1279	7.0558	85,704	14,604	9.2	21.3787	17.0250	86,581	14,712	9.3	10.0560	23.2095
85,277	14,502	9.0	7.7595	20.9525	85,491	14,605	9.1	21.6440	5.2968	86,413	14,713	8.0	10.1599	10.7248
85,021	14,504	9.0	8.4757	6.7370	85,841	14,608	7.5	22.3252	25.4097	86,582	14,715	9.6	11.5826	23.1206
85,009	14,508	7.9	10.4895	5.6719	85,560	14,609	9.6	23.4207	8.8259	86,583	14,716	9.4	11.7822	22.8151
85,352	14,510	8.7	10.8308	25.5729	85,633	14,610	9.0	23.7844	13.4666	86,565	14,719	9.3	12.9391	22.1688
84,960	14,512	8.8	11.6750	1.1720	85,617	14,617	8.4	24.6825	12.2277	86,566	14,720	9.3	13.4264	22.5420
85,099	14,513	9.8	12.1168	10.4386	85,416	14,619	9.6	24.9512	0.8877	86,309	14,722	9.2	13.6670	0.4937
84,989	14,514	9.1	12.3441	4.7900	85,520	14,621	9.5	25.5472	6.4988	86,415	14,723	9.1	13.8337	10.8442
84,953	14,518	8.4	13.0278	0.2799	R.A. 21 ^h 8 ^m					86,585	14,725	9.4	14.3616	23.1593
85,218	14,520	9.0	13.7713	17.0995	86,262	14,608	7.5	0.4002	25.4331	86,458	14,726	9.2	14.5073	14.5210
85,341	14,523	9.0	14.1123	24.5625	86,042	14,609	9.6	1.2695	8.8348	86,428	14,728	9.3	15.0084	12.3346
85,125	14,524	9.4	14.2074	11.5697	86,096	14,610	9.0	1.6964	13.4702	86,603	14,733	8.9	16.2397	23.7740
85,256	14,526	9.5	15.9492	18.5809	86,096	14,610	9.0	1.6964	13.4702	86,459	14,734	6.0	16.5251	14.1559
85,354	14,529	9.0	17.8858	25.9783	86,081	14,617	8.4	2.5776	12.2191	86,387	14,736	9.1	16.6668	7.5352
84,963	14,532	9.1	19.1193	0.9605	85,901	14,619	9.6	2.6916	0.8770	86,432	14,739	9.1	18.8931	11.5284
85,161	14,533	8.3	19.0860	14.1287	86,004	14,621	9.5	3.3639	6.4794	86,479	14,740	6.8	19.6440	15.1190
85,184	14,534	8.7	19.3202	14.6946	86,082	14,623	7.2	4.0124	11.6441	86,625	14,742	7.9	19.8460	25.7687
85,087	14,535	9.0	19.6993	9.6449	86,218	14,624	8.3	4.4289	21.6108	86,379	14,743	9.4	19.9871	6.8425
85,288	14,536	9.2	19.9385	20.6183	86,100	14,625	9.3	4.6163	12.7023	86,554	14,746	7.7	20.2408	21.6531
85,343	14,537	9.4	20.0187	25.1114	86,264	14,630	9.4	5.6370	25.0498	86,355	14,747	9.1	20.3674	4.4074
85,359	14,540	9.3	21.8713	25.7163	86,146	14,631	9.4	5.8692	16.1646	86,320	14,749	9.2	22.0652	2.0046
85,146	14,541	9.2	21.9584	12.2699	86,191	14,634	8.5	6.9172	19.2489	86,571	14,750	9.4	21.9977	21.9597
85,222	14,543	8.0	22.5396	16.2512	86,192	14,635	8.7	6.9361	19.2625	86,555	14,752	9.0	22.7550	21.3747
85,261	14,544	7.6	22.9437	18.6653	86,233	14,638	9.5	7.7329	21.9147	86,380	14,755	9.3	23.2043	6.5973
85,063	14,546	9.4	23.9634	8.5604	86,233	14,638	9.5	7.7329	21.9147	86,612	14,756	9.0	23.2786	25.1237
85,147	14,547	9.1	24.2618	12.7121	86,085	14,641	9.2	8.3567	12.4469	86,515	14,757	9.2	23.6501	18.0571
85,190	14,549	9.5	25.1719	15.0259	85,971	14,642	8.5	8.5481	4.6424	86,540	14,759	9.1	23.9968	20.5095
R.A. 21 ^h 0 ^m					86,005	14,643	9.3	8.6723	6.8261	86,321	14,760	8.2	24.1322	2.1635
85,689	14,543	8.0	0.4896	16.2716	86,244	14,646	9.4	9.4876	23.2398	86,313	14,762	9.1	24.1794	0.4080
85,721	14,544	7.6	0.9267	18.6801	85,905	14,647	9.4	9.6414	0.4186	86,345	14,766	8.1	25.6173	4.1906
85,545	14,546	9.4	1.8085	8.5619	85,930	14,648	9.3	9.8033	3.2664	R.A. 21 ^h 24 ^m				
85,619	14,547	9.1	2.1636	12.7092	86,134	14,652	8.1	12.0669	15.0753	86,962	14,752	9.0	0.7729	21.3922
85,665	14,549	9.5	3.1050	15.0102	86,088	14,653	8.1	12.1731	12.4782	86,735	14,755	9.3	1.0227	6.6092
85,563	14,553	8.7	4.2026	9.5128	86,007	14,655	9.1	13.0379	7.0446	86,996	14,756	9.0	1.3497	25.1335
85,694	14,556	9.5	5.2379	16.9299	86,010	14,656	8.7	13.4297	6.7079	86,901	14,757	9.2	1.6248	18.0622
85,493	14,557	8.5	5.4122	5.3623	86,121	14,657	9.5	13.5097	13.7351	86,948	14,759	9.1	2.0050	20.5095
85,405	14,560	8.3	6.4617	0.1860	86,030	14,659	6.8	13.7855	8.4908	86,675	14,760	8.2	1.8900	2.1632
85,640	14,562	8.7	7.0503	13.4202	86,153	14,662	8.6	15.1369	16.4941	86,652	14,762	9.1	1.9133	0.4074
85,528	14,563	9.2	7.2534	7.7456	86,260	14,665	8.9	15.5966	24.5195	86,703	14,766	8.1	3.4025	4.1706
85,827	14,565	9.5	7.7902	25.3144	85,955	14,666	9.3	16.1290	3.8234	86,803	14,768	4.0	4.5904	11.1569
85,566	14,566	9.0	7.7496	9.3817	86,154	14,667	9.6	16.4726	16.6359	86,749	14,769	9.7	5.5113	7.9016
85,443	14,567	9.4	7.7681	2.3612	85,956	14,668	7.5	16.6748	3.7562	87,008	14,773	8.1	6.6288	25.6058
85,530	14,570	9.4	9.2242	7.8993	86,091	14,669	9.2	17.0161	12.2860	86,903	14,775	9.0	8.5127	17.3957
85,609	14,571	9.3	9.4176	11.8783	86,214	14,674	8.8	19.2506	20.0824	86,679	14,777	8.4	8.8706	2.8431
85,610	14,572	8.8	10.4944	11.7906	86,039	14,675	8.7	19.8396	8.1830	87,011	14,780	8.7	9.5380	25.6520
85,829	14,573	8.6	10.5703	25.1542	85,979	14,678	9.2	20.6198	4.9483	86,858	14,783	9.0	10.0673	14.2797
85,446	14,576	8.7	10.9640	2.8283	86,271	14,679	9.2	20.6315	24.8970	86,693	14,784	5.0	10.2831	3.9124
85,642	14,577	9.5	11.0148	14.0620	86,186	14,681	9.3	20.8535	18.6282	86,839	14,785	9.0	10.4929	14.1086
85,409	14,579	9.4	11.6042	0.7435	86,155	14,682	8.7	21.1317	15.7509	86,724	14,787	9.0	11.4438	5.7365
85,551	14,581	9.6	12.0908	8.5739										

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 21 ^h 24 ^m (continued)					R.A. 21 ^h 40 ^m (continued)					R.A. 21 ^h 56 ^m (continued)				
86,826	14,862	9.4	17.5739	13.1687	87,036	14,937	8.4	23.5624	16.4319	88,301	15,056	9.1	15.1304	14.1734
86,743	14,805	8.6	18.1486	6.4144	87,615	14,938	9.5	23.2058	14.1380	88,415	15,057	9.5	17.5410	21.9558
86,893	14,811	9.3	19.5328	16.5777	87,504	14,939	8.6	23.3782	6.5022	88,172	15,059	9.1	18.2611	3.2228
86,925	14,812	8.6	19.9073	19.0248	87,628	14,941	9.4	23.9702	15.5955	88,186	15,065	8.4	20.2124	4.1880
86,843	14,813	8.0	20.3991	13.8609	87,462	14,942	9.3	24.1744	4.2560	88,402	15,070	9.4	21.6559	21.1665
86,699	14,816	8.8	21.2690	3.6347	87,534	14,946	9.4	24.6830	8.9684	88,250	15,072	8.8	22.0680	10.2924
86,688	14,821	9.0	23.9834	2.3064	R.A. 21 ^h 48 ^m					88,252	15,073	8.5	22.1935	9.7834
86,734	14,823	8.6	24.0726	5.9578	..	14,937	8.4	0.5149	16.4521	88,446	15,075	8.6	23.2080	24.0852
86,818	14,826	9.4	24.7682	11.8512	87,948	14,938	9.5	1.1270	14.1493	88,189	15,076	9.6	23.9516	4.2092
86,915	14,828	9.4	24.9749	17.9035	87,860	14,939	8.6	1.1953	6.5116	88,455	15,077	8.9	24.1200	25.2345
86,784	14,829	9.5	25.4772	9.5261	87,963	14,941	9.4	1.9112	15.5963	88,378	15,078	9.5	24.3939	19.1899
R.A. 21 ^h 32 ^m					87,824	14,942	9.3	1.9608	4.2550	88,456	15,080	9.4	24.8435	25.0226
87,068	14,821	9.0	1.7432	2.3083	87,880	14,946	9.4	2.5336	8.9602	R.A. 22 ^h 4 ^m				
87,117	14,823	8.6	1.8821	5.9581	87,882	14,952	9.0	4.1491	9.1641	88,754	15,075	8.6	1.2649	24.0961
87,191	14,826	9.4	2.6581	11.8416	87,815	14,955	9.6	6.2532	2.7236	88,526	15,076	9.6	1.7373	4.2112
87,274	14,828	9.4	2.9473	17.8902	88,062	14,956	6.8	6.7260	21.8404	88,768	15,077	8.9	2.1925	25.2324
87,155	14,829	9.5	3.3353	9.5071	87,828	14,957	9.2	6.7902	3.6201	88,699	15,078	9.5	2.3839	19.1846
87,381	14,832	9.3	5.5756	25.9182	87,984	14,960	9.0	8.6315	15.7400	88,769	15,080	9.4	2.9130	25.0101
87,361	14,834	6.7	6.2682	23.8067	87,915	14,963	9.4	9.4957	11.3275	88,709	15,085	8.7	4.0962	20.0784
87,129	14,835	9.0	6.2186	7.0814	87,965	14,966	9.0	10.0222	14.7950	88,710	15,086	8.7	4.4166	19.9033
87,307	14,836	8.0	6.6116	19.7772	87,817	14,967	9.5	10.2376	3.2486	88,568	15,087	9.5	5.3268	7.8520
87,194	14,837	9.3	7.0449	12.2042	87,844	14,968	9.5	11.1648	5.1239	88,592	15,089	7.0	6.5830	9.7578
87,248	14,841	8.7	8.8926	16.2370	87,855	14,972	9.1	12.0672	5.8088	88,569	15,090	9.4	6.7416	7.8320
87,174	14,843	9.2	10.0534	9.9517	87,818	14,973	9.0	12.9935	3.2717	88,509	15,095	8.3	8.2437	1.9698
87,092	14,844	8.9	10.3352	4.3064	88,011	14,977	9.2	14.8424	18.2334	88,774	15,096	9.0	8.5866	25.0955
..	14,845	8.4	10.4294	0.3938	87,810	14,980	9.4	16.7763	1.7014	88,638	15,097	8.5	8.6819	14.2295
87,352	14,850	9.2	12.1309	22.9490	87,955	14,981	9.4	17.0072	14.0290	88,518	15,100	9.1	10.6319	3.1481
87,143	14,851	9.0	12.3731	8.2640	87,957	14,982	9.1	17.5224	14.0286	88,656	15,104	9.2	11.4705	15.3375
87,374	14,852	9.4	12.5446	25.3748	87,906	14,985	9.2	17.9149	10.3416	88,678	15,106	9.3	12.9445	17.4388
87,294	14,858	8.7	13.7542	19.1940	88,066	14,987	8.4	17.9940	22.1605	88,705	15,110	8.9	13.8023	19.2597
87,215	14,859	9.3	13.9199	13.3240	88,028	14,988	8.4	18.7419	19.3214	88,570	15,111	9.8	14.4605	7.8046
87,344	14,861	9.4	14.9522	21.9260	88,101	14,993	9.4	20.4696	25.7212	88,571	15,113	9.1	14.9426	8.4611
87,314	14,864	9.3	15.3580	20.1510	88,060	14,994	9.0	20.6521	21.9194	88,778	15,114	8.7	15.5671	25.5362
87,061	14,862	9.4	16.4006	0.5290	87,877	14,997	8.7	21.0376	7.9331	88,620	15,122	8.6	17.4926	12.4855
87,178	14,868	9.6	16.8997	10.1633	88,102	15,000	9.1	21.0384	25.2138	88,583	15,124	8.4	18.0390	9.4170
87,082	14,869	8.0	17.1437	2.9817	87,835	15,001	9.3	21.2950	3.7971	88,584	15,125	9.5	18.1386	9.5770
87,179	14,870	9.3	17.2649	9.9728	87,867	15,005	9.4	22.6014	6.8686	88,504	15,129	9.0	22.0504	0.9815
87,315	14,872	8.7	19.2138	20.8203	87,971	15,006	8.3	23.5094	14.9894	88,505	15,132	8.7	22.3700	0.7452
87,147	14,873	8.8	19.2906	8.3399	87,910	15,007	9.0	23.7555	9.9146	88,631	15,135	9.2	23.1834	13.6787
87,346	14,874	9.2	19.2671	22.6758	87,973	15,010	9.2	24.2871	15.1723	88,663	15,136	9.4	23.6445	15.7646
87,258	14,879	9.4	21.8485	15.8451	87,911	15,011	9.5	24.9866	10.2371	88,674	15,137	9.4	24.0665	16.9078
87,148	14,880	9.1	21.8924	8.5079	88,061	15,013	7.8	25.5566	21.5385	88,722	15,139	9.4	24.5144	20.9316
87,112	14,884	8.0	23.6812	5.6282	87,933	15,012	9.3	25.6233	11.8627	88,600	15,141	8.5	25.0030	10.1346
87,073	14,885	8.1	23.8560	2.4390	R.A. 21 ^h 56 ^m					88,650	15,145	9.4	25.7740	14.8370
87,342	14,888	5.4	24.8625	21.6284	..	15,005	9.4	0.4235	6.8886	R.A. 22 ^h 12 ^m				
87,379	14,890	9.5	25.0725	25.7419	88,309	15,006	8.3	1.4422	14.9966	..	15,132	8.7	0.1085	0.7681
R.A. 21 ^h 40 ^m					88,235	15,007	9.0	1.6191	9.9187	88,945	15,135	9.2	1.0983	13.6885
87,477	14,884	8.0	1.4864	5.6337	88,310	15,010	9.2	2.2224	15.1688	88,965	15,136	9.4	1.5880	15.7699
87,428	14,885	8.1	1.6176	2.4426	88,237	15,011	9.5	2.8544	10.2246	88,977	15,137	9.4	2.0254	16.9072
87,706	14,888	5.4	2.8858	21.6161	88,267	15,012	9.3	3.5131	11.8413	89,032	15,139	9.4	2.5283	20.9243
87,752	14,890	9.5	3.1518	25.7262	88,390	15,013	7.8	3.5785	21.5164	88,895	15,141	8.5	2.8694	10.1219
87,442	14,892	9.0	3.9722	3.6399	88,151	15,016	9.3	4.1035	0.5552	88,959	15,145	9.4	3.7044	14.8132
87,696	14,895	8.2	5.6090	20.5446	88,162	15,019	9.3	5.6321	2.2408	88,978	15,151	9.3	6.5880	17.0669
87,668	14,896	9.1	5.9479	19.1429	88,314	15,023	9.1	6.5746	14.7212	88,969	15,156	8.6	8.3493	15.4941
87,585	14,900	9.3	7.7440	13.4698	88,342	15,024	7.5	6.5877	17.2156	89,011	15,158	7.3	9.0535	19.0927
87,740	14,904	9.0	9.3917	24.7324	88,215	15,026	9.1	6.9453	8.0769	89,041	15,162	6.7	11.4462	20.6441
87,588	14,910	7.2	11.4230	13.2698	88,181	15,031	9.0	7.9112	3.3641	89,062	15,163	9.4	12.1682	23.4920
87,471	14,911	9.1	12.1651	4.9938	88,192	15,035	9.5	9.1681	5.0801	89,023	15,167	7.8	12.9244	20.3643
87,604	14,912	9.4	12.3239	14.1718	88,452	15,039	9.0	9.4479	24.7483	88,909	15,168	7.7	14.8147	10.5830
87,514	14,916	9.5	15.4488	7.9655	88,260	15,040	9.4	9.4897	10.6845	..	15,169	8.8	15.0143	0.1310
87,576	14,918	8.7	16.0518	12.3368	88,408	15,043	8.0	10.4822	22.2987	89,066	15,171	7.3	15.5355	22.9618
87,435	14,921	8.8	17.1332	2.4556	88,420	15,044	9.1	10.5731	23.1099	89,026	15,172	9.5	16.2082	19.8392
87,														

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.	Hyd.	Cordoba.		ξ.	η.
R.A. 22^h 12^m (continued)					R.A. 22^h 28^m (continued)					R.A. 22^h 44^m (continued)				
89,001	15,176	9.1	17.1342	17.9765	89,596	15,281	8.5	14.2050	8.4266	90,364	15,371	9.3	4.2487	21.4835
88,935	15,177	9.5	18.0855	12.8257	89,773	15,283	8.3	14.8332	22.7046	90,289	15,374	9.4	5.5664	14.9515
88,868	15,182	7.7	19.9031	7.2495	89,667	15,284	7.9	15.4413	14.4279	90,219	15,376	9.4	6.4800	8.5619
89,014	15,184	9.3	20.6468	18.6755	89,764	15,285	8.9	16.9298	22.3772	90,197	15,377	9.0	7.4236	5.5323
88,953	15,186	9.2	21.3819	14.4608	89,584	15,286	9.0	17.5748	8.1689	90,367	15,380	8.6	8.0238	21.4006
88,975	15,188	8.5	22.1669	15.6225	89,508	15,287	9.6	18.6569	0.5673	90,295	15,381	9.4	8.0698	15.4606
88,937	15,189	9.5	22.3704	13.2584	89,532	15,296	9.7	20.7123	3.4871	90,238	15,382	8.9	8.2686	9.8535
88,938	15,191	9.0	22.9346	12.8281	89,533	15,297	9.2	20.7569	3.3603	90,220	15,383	8.7	8.4361	9.0673
88,826	15,192	8.8	23.1336	2.6669	89,525	15,299	8.8	21.5235	2.2529	90,168	15,388	8.2	9.3644	2.8863
88,817	15,195	5.7	24.3677	2.2293	89,518	15,300	9.1	22.3899	1.6367	90,297	15,390	8.1	11.7107	15.1918
88,995	15,196	9.0	24.2885	16.9397	89,534	15,302	8.7	22.5872	3.3218	90,161	15,392	9.5	12.3583	2.3183
89,055	15,198	9.3	24.9817	22.6577	89,726	15,303	9.5	22.4458	19.3187	90,357	15,395	6.8	12.6195	20.4543
R.A. 22^h 20^m					89,710	15,304	9.3	23.3414	18.2458	90,171	15,397	9.4	12.7388	2.6875
..	15,189	9.5	0.2796	13.2813	89,635	15,305	9.1	23.8724	12.2833	90,260	15,398	9.0	13.2247	12.0007
89,286	15,191	9.0	0.8378	12.8433	89,543	15,306	8.1	24.4934	4.8331	90,313	15,400	9.1	14.8895	15.9911
89,170	15,192	8.8	0.8983	2.6799	89,769	15,307	9.0	24.4241	22.4267	90,163	15,401	9.4	15.6519	2.3222
89,172	15,195	5.7	2.1264	2.2260	89,671	15,311	8.5	25.3961	14.9922	90,314	15,402	8.4	16.4697	15.8862
89,343	15,196	9.0	2.2479	16.9359	R.A. 22^h 36^m					90,214	15,406	9.4	18.9483	7.8963
89,417	15,198	9.3	3.0190	22.6435	..	15,300	9.1	0.1405	1.6494	90,252	15,407	9.5	18.9427	11.0680
89,245	15,201	9.2	5.3048	9.1367	..	15,302	8.7	0.3609	3.3421	90,201	15,409	9.0	19.8329	6.3926
89,371	15,202	9.6	5.5942	19.3126	..	15,303	9.5	0.4377	19.3404	90,185	15,411	7.9	21.3210	3.8798
89,356	15,203	9.5	6.3063	18.3335	90,034	15,304	9.3	1.3187	18.2551	90,338	15,417	9.2	22.3087	18.6051
89,235	15,205	9.2	6.6360	7.7501	89,984	15,305	9.1	1.7683	12.2858	90,304	15,420	8.5	23.5896	15.0959
89,331	15,207	9.2	7.5844	15.9785	89,899	15,306	8.1	2.2876	4.8279	90,218	15,421	9.3	23.9902	8.2221
89,208	15,208	9.1	8.5688	5.9683	90,085	15,307	9.0	2.4583	22.4205	90,253	15,424	9.2	24.8038	11.0725
89,174	15,212	7.5	9.5937	2.2473	89,997	15,311	8.5	3.3287	14.9734	90,209	15,425	9.3	25.6975	6.7244
89,255	15,213	8.7	9.8279	10.1741	90,009	15,315	8.0	4.5687	16.1159	R.A. 22^h 52^m				
89,421	15,214	7.7	10.3620	23.4891	90,061	15,316	9.7	5.2920	19.6032	..	15,417	9.2	0.2908	18.6288
89,389	15,217	9.4	11.8937	19.9096	89,875	15,317	8.6	5.3963	3.1388	90,579	15,420	8.5	1.5239	15.1020
89,238	15,219	9.5	12.8420	7.3922	90,072	15,318	9.1	5.7914	21.2679	90,511	15,421	9.3	1.8307	8.2234
89,176	15,221	8.6	13.3804	2.2755	89,863	15,319	9.5	6.3816	1.8273	90,534	15,424	9.2	2.6831	11.0626
89,333	15,222	9.4	13.6939	15.5322	89,999	15,320	8.5	6.4902	14.8939	90,490	15,425	9.3	3.5173	6.7028
89,201	15,223	9.3	13.9128	4.6516	90,026	15,323	8.2	7.6912	16.5995	90,461	15,426	9.4	3.9065	2.4129
89,374	15,224	9.3	14.0453	19.3612	89,961	15,325	8.8	8.0905	9.5210	90,524	15,427	8.7	4.1061	9.4167
89,161	15,225	9.5	14.1744	1.1165	89,987	15,331	8.7	11.7828	12.6454	90,561	15,428	8.3	4.2229	12.9218
89,359	15,226	8.5	14.5011	18.1985	90,119	15,332	7.1	11.9067	25.5065	90,656	15,433	8.5	5.9108	20.7180
89,324	15,228	8.7	14.7073	14.5346	89,992	15,336	9.0	12.7507	13.9043	90,548	15,434	6.6	6.1225	11.7639
89,409	15,229	9.5	14.7496	22.1974	90,075	15,338	9.3	14.5764	21.0145	90,575	15,436	9.5	6.8731	14.0146
89,360	15,232	9.5	14.9808	17.5874	89,908	15,339	9.1	14.9085	4.5224	90,582	15,437	9.5	7.4656	15.2219
89,166	15,233	9.2	16.8224	2.2108	90,093	15,342	9.0	16.2918	21.5546	90,502	15,438	9.5	7.4883	7.8424
89,429	15,236	9.3	18.0682	22.7126	89,972	15,343	8.8	16.4806	10.7681	90,583	15,440	8.4	8.2258	14.5758
89,310	15,237	8.5	18.3134	13.5227	89,954	15,346	9.5	17.2093	9.1863	90,507	15,450	9.4	12.1487	8.1231
89,311	15,239	8.6	19.3919	14.3643	89,881	15,347	7.2	17.4379	3.1808	90,589	15,456	8.4	14.0547	14.7483
89,215	15,240	8.3	19.5371	5.5645	90,078	15,351	8.8	20.1641	20.8764	90,622	15,457	8.5	14.3522	17.4770
89,242	15,245	7.9	22.1902	8.0011	89,946	15,356	9.1	22.1048	7.3456	90,509	15,458	8.6	14.7250	7.8508
89,185	15,247	9.3	22.5809	2.4169	90,125	15,357	9.3	22.1446	25.0382	90,553	15,459	9.1	15.4773	12.2756
89,380	15,250	8.9	23.4769	19.5627	89,913	15,359	9.1	22.8858	5.1608	90,697	15,463	8.0	16.8060	24.8172
89,250	15,252	9.2	24.8625	9.0934	90,056	15,360	8.4	22.8705	19.1582	90,459	15,464	9.2	16.8657	1.5440
89,453	15,254	9.6	25.0634	24.5194	90,070	15,362	8.7	23.1987	20.5704	90,698	15,465	8.4	16.8778	24.5952
89,454	15,256	9.5	25.3005	24.0615	89,966	15,361	9.4	23.2598	9.4550	90,611	15,466	8.6	18.3907	17.3942
R.A. 22^h 28^m					90,033	15,363	9.4	23.3266	17.1182	90,521	15,467	8.8	18.8159	9.2643
89,521	15,247	9.3	0.3422	2.4373	90,007	15,364	8.6	23.9065	14.8130	90,487	15,468	9.2	18.8839	5.7725
89,729	15,250	8.9	1.4722	19.5699	89,871	15,365	9.3	24.2102	2.1480	90,554	15,470	9.4	19.3854	12.1642
89,599	15,252	9.2	2.7148	9.0828	89,967	15,369	9.0	25.4951	9.8406	90,592	15,474	8.5	20.5554	14.8808
89,795	15,254	9.6	3.1261	24.5039	R.A. 22^h 44^m					90,465	15,478	9.0	21.3258	2.9365
89,780	15,256	9.5	3.3569	24.0426	90,407	15,357	9.3	0.2145	25.0640	90,578	15,480	7.6	21.3110	13.7710
89,720	15,264	8.0	6.7521	19.1208	90,188	15,359	9.1	0.6846	5.1770	90,628	15,483	9.2	21.7674	18.0871
89,743	15,266	9.0	7.6594	21.1368	90,342	15,360	8.4	0.8602	19.1740	90,488	15,485	9.6	22.1993	5.7507
89,674	15,267	8.6	7.7378	15.2560	90,235	15,361	9.4	1.1171	9.4658	90,544	15,487	8.7	22.7140	10.5975
89,549	15,269	8.8	8.1694	5.8194	90,354	15,362	8.7	1.2076	20.5814	90,545	15,488	9.0	22.7609	10.6168
89,564	15,270	8.8	8.4932	6.8619	90,318	15,363	9.4	1.2885	17.1277	90,555	15,489	9.4	23.0588	12.3135
89,523	15,271	9.2	9.0746	2.3578	90,288	15,364	8.6	1.8369	14.8147	90,614	15,494	6.8	24.0376	16.9646
89,615	15,272	8.9	9.1505	10.5246	90,158	15,365	9.3	1.9678	2.1466	90,569	15,496	7.4	24.5728	12.5032
89,651	15,277	0.5	11.8260	12.5717	90,226	15,360	0.0	2.2574	0.8213	90,557	15,497	9.2	24.9141	11.7448
										90,671	15,498	8.0	24.8936	21.8261

Reference No.				Reference No.				Reference No.								
Mag.		Standard co-ordinates, 1900-0.		Mag.		Standard co-ordinates, 1900-0.		Mag.		Standard co-ordinates, 1900-0.						
Hyd.	Cordoba.	ξ.	η.	Hyd.	Cordoba.	ξ.	η.	Hyd.	Cordoba.	ξ.	η.					
R.A. 23 ^h 0 ^m				R.A. 23 ^h 8 ^m (continued)				R.A. 23 ^h 24 ^m (continued)								
90,860	15,487	8.7	0.5870	10.6158	91,339	15,617	9.5	23.7202	15.7061	91,686	15,730	9.5	16.8831	10.9203		
90,861	15,488	9.0	0.6341	10.6345	91,312	15,621	7.0	21.7278	22.2702	91,774	15,731	9.0	17.1057	20.1389		
90,871	15,489	9.4	0.9552	12.3269	91,234	15,625	9.5	22.1770	15.5369	91,749	15,734	9.3	18.4034	17.1393		
90,928	15,494	6.8	1.4973	16.9644	91,235	15,626	9.3	22.7696	15.8252	..	15,738	6.3	19.8423	0.0694		
90,884	15,496	7.4	2.4716	12.4962	91,236	15,627	9.3	22.8305	15.4774	91,629	15,743	8.1	21.0562	5.2811		
90,874	15,497	9.2	2.8025	11.7332	91,251	15,630	8.0	24.4783	17.3742	91,663	15,747	9.0	22.2318	9.3795		
90,990	15,498	8.9	2.9195	21.8133	91,226	15,631	9.1	24.9894	14.9475	91,624	15,748	8.2	23.0036	3.9053		
90,801	15,499	9.2	3.7674	5.5842	91,150	15,632	9.4	25.2182	9.8468	91,742	15,752	9.2	25.6576	16.1217		
90,753	15,504	9.5	6.0883	0.7755	R.A. 23 ^h 16 ^m				R.A. 23 ^h 32 ^m							
90,909	15,505	8.4	6.3070	14.8332	91,484	15,626	9.3	0.7138	15.8425	91,936	15,747	9.0	0.0881	9.4044		
90,862	15,507	9.3	7.4155	11.0845	91,485	15,627	9.3	0.7700	15.4939	91,873	15,748	8.2	0.7853	3.9200		
90,773	15,508	9.5	7.7960	2.8236	91,497	15,630	8.0	2.4436	17.3678	91,996	15,752	9.2	3.6056	16.0992		
90,781	15,509	9.0	8.0228	3.6967	91,474	15,631	9.1	2.9215	14.9343	92,026	15,754	8.2	3.9869	18.9571		
90,919	15,514	7.5	9.1010	15.9931	91,428	15,632	9.4	3.0807	9.8312	92,003	15,759	9.6	4.7396	16.5557		
90,853	15,517	7.1	9.7737	10.2769	91,421	15,642	8.5	6.1562	9.1729	92,053	15,761	9.5	5.6134	22.2063		
90,765	15,522	9.3	10.8434	1.6496	91,552	15,647	8.1	8.5674	22.2711	91,890	15,764	9.4	6.7980	4.9471		
90,980	15,524	8.7	11.7225	21.3636	91,514	15,650	7.9	9.5282	17.4409	91,902	15,765	9.1	6.9193	5.9388		
90,784	15,527	9.1	13.0842	4.3603	91,365	15,651	9.6	9.8979	1.3741	91,989	15,768	9.1	8.4214	14.9772		
90,888	15,528	7.2	13.1799	13.3177	91,437	15,655	9.0	11.4993	11.2367	91,893	15,770	9.0	8.9222	4.3979		
91,009	15,531	9.0	14.7028	23.5257	91,580	15,662	8.0	17.2222	24.9963	91,974	15,771	9.1	8.9450	12.5648		
90,964	15,532	9.3	14.8466	20.5803	91,438	15,663	9.5	17.3067	10.7137	91,876	15,772	9.1	9.4405	3.3509		
90,816	15,534	8.7	15.5024	1.7280	91,535	15,665	8.4	17.5336	19.8761	92,028	15,774	9.7	10.2442	18.5149		
90,982	15,535	9.1	15.9192	21.4922	91,366	15,666	8.7	17.6877	1.9786	91,923	15,777	8.7	12.1815	8.1384		
90,866	15,536	9.0	16.1376	10.8713	91,574	15,667	8.5	17.9065	24.2847	91,877	15,779	8.6	12.4936	3.7576		
90,931	15,539	8.7	16.8879	16.7965	91,518	15,672	9.5	19.6732	18.0694	92,082	15,784	9.1	14.6944	24.6083		
90,761	15,542	8.6	17.3735	0.9351	91,481	15,673	8.5	19.7727	14.9133	91,991	15,788	9.7	15.5264	14.7489		
90,858	15,545	8.2	17.6735	10.1156	91,453	15,674	8.6	20.4240	11.5402	91,979	15,789	9.6	16.0277	13.8871		
90,984	15,546	9.1	17.7878	21.3101	91,390	15,675	6.7	20.7725	4.8714	91,946	15,791	9.4	16.2780	9.5589		
90,777	15,547	9.2	18.1459	3.3413	91,471	15,676	9.7	20.8172	14.2636	91,881	15,793	8.5	16.4615	3.7163		
90,967	15,551	9.4	20.1399	20.4448	91,414	15,680	8.4	22.3475	7.3903	91,919	15,798	7.6	18.6701	6.7554		
90,787	15,552	9.4	21.0169	3.8826	91,358	15,681	8.0	22.7858	0.9359	91,984	15,801	7.4	19.8250	14.0567		
90,779	15,554	8.8	21.1965	2.7678	91,472	15,683	7.8	23.1886	13.6457	91,928	15,803	9.1	21.5292	7.4302		
90,987	15,555	9.3	22.2321	21.1665	91,583	15,685	9.2	23.6110	24.6725	92,044	15,805	9.5	21.8472	19.8621		
90,825	15,557	9.5	22.9907	7.2049	91,550	15,687	9.5	24.6280	21.4486	92,011	15,806	9.1	22.1974	16.7165		
90,837	15,559	9.4	23.5950	7.6411	91,382	15,688	9.0	24.8991	3.5240	92,057	15,810	9.4	23.7552	22.5253		
90,973	15,561	8.5	24.8690	20.7501	91,559	15,691	9.1	25.3759	22.1118	91,986	15,813	9.2	25.0093	14.3778		
90,895	15,563	5.0	25.6306	13.0454	R.A. 23 ^h 24 ^m				R.A. 23 ^h 40 ^m							
90,974	15,565	8.4	25.7267	20.8224	91,638	15,680	8.4	0.1767	7.4135	92,228	15,806	9.1	0.1538	16.7416		
R.A. 23 ^h 8 ^m				R.A. 23 ^h 24 ^m				R.A. 23 ^h 32 ^m				92,259	15,810	9.4	1.7908	22.5285
91,284	15,555	9.3	0.2492	21.1911	91,601	15,681	8.0	0.5269	0.9535	92,199	15,813	9.2	2.9337	14.3644		
91,128	15,557	9.5	0.8175	7.2196	91,705	15,683	7.8	1.1032	13.6575	92,253	15,819	9.0	7.0339	20.9270		
91,129	15,559	9.4	1.4276	7.6477	91,811	15,685	9.2	1.6759	24.6775	92,115	15,823	8.4	7.9928	4.1519		
91,287	15,561	8.5	2.8803	20.7379	91,780	15,687	9.5	2.6488	21.4396	92,263	15,824	9.0	8.2742	22.4511		
91,187	15,563	5.0	3.5367	13.0239	91,618	15,688	9.0	2.6853	3.5138	92,232	15,825	7.9	8.4730	18.4723		
91,288	15,565	8.4	3.7388	20.7986	91,791	15,691	9.1	3.4056	22.0922	92,159	15,828	9.1	11.8126	8.7053		
91,066	15,578	9.1	6.3835	2.7541	91,706	15,692	8.7	3.9667	13.8546	92,266	15,830	8.3	11.9344	21.8036		
91,088	15,582	8.8	8.5376	4.3512	91,603	15,693	9.1	4.5899	0.7859	92,288	15,833	8.1	12.1306	25.7191		
91,149	15,583	9.5	8.8098	10.1390	91,771	15,694	8.2	4.9347	20.4736	92,212	15,834	8.4	12.8166	15.2143		
91,277	15,587	9.1	10.9410	19.6235	91,733	15,695	9.0	5.0131	16.5100	92,245	15,835	9.1	13.6889	19.7067		
91,215	15,588	9.4	11.0702	14.9965	91,627	15,697	6.8	5.5600	4.5078	92,129	15,836	8.6	13.7452	5.7953		
91,119	15,590	8.5	11.4878	6.7912	91,735	15,699	7.0	6.7889	16.2917	92,112	15,837	9.3	13.9344	3.1169		
91,055	15,594	9.2	12.8859	0.2566	91,655	15,700	9.0	6.8817	8.4833	92,281	15,838	9.3	14.1059	24.5485		
91,121	15,595	9.5	13.7627	7.0761	91,656	15,703	9.2	7.3824	8.9982	92,132	15,840	9.4	15.2599	6.3606		
91,061	15,596	9.2	13.9201	1.4585	91,754	15,710	9.1	9.1963	17.6193	92,133	15,842	9.4	16.1845	5.7158		
91,062	15,597	9.6	14.6991	1.6637	91,708	15,712	9.4	10.4646	13.6833	92,247	15,843	8.5	16.5072	19.9849		
91,307	15,599	8.7	14.9750	21.5867	91,609	15,715	8.2	11.3881	1.2306	92,106	15,847	8.8	18.5020	1.7946		
91,176	15,600	8.7	15.9418	12.0624	91,814	15,717	9.2	12.1332	23.7801	92,123	15,848	8.6	18.7078	4.9657		
91,068	15,601	8.5	16.6999	2.6983	91,797	15,719	8.9	12.7882	22.5353	92,173	15,850	7.7	19.2178	10.9538		
91,151	15,605	9.2	17.1884	9.2530	91,659	15,720	8.4	12.8865	9.3847	92,249	15,852	8.0	20.3069	19.9972		
91,143	15,607	9.0	17.5063	9.0559	91,772	15,722	9.0	13.7358	20.2975	92,215	15,853	8.4	20.4408	14.9953		
91,123	15,608	9.5	17.7848	6.5940	91,668	15,723	8.8	13.7868	9.7229	92,144	15,854	9.1	20.7			

Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.		Reference No.		Mag.	Standard co-ordinates, 1900-0.	
Hyd.	Cordoba.		ξ'.	η'.	Hyd.	Cordoba.		ξ'.	η'.	Hyd.	Cordoba.		ξ'.	η'.
R.A. 23^h 48^m					R.A. 23^h 48^m (continued)					R.A. 23^h 56^m (continued)				
92,427	15,860	9.5	0.1824	15.8199	92,473	15,908	9.1	20.2850	19.3703	92,713	15,937	9.2	10.1440	20.4545
92,491	15,865	8.3	1.9519	22.3870	92,361	15,913	7.2	21.2248	7.6103	92,664	15,941	8.4	10.3340	14.8175
92,322	15,867	7.1	2.6041	3.0756	92,330	15,916	8.7	22.5636	3.1577	92,760	15,943	8.6	10.6844	25.1280
92,474	15,868	9.5	3.5084	20.8923	92,480	15,917	9.4	22.7954	21.1889	92,674	15,945	8.3	11.8017	15.6924
92,455	15,873	9.3	5.4110	18.4733	92,331	15,920	8.5	25.0596	3.4816	92,761	15,946	9.2	12.5943	24.9715
92,386	15,874	8.0	5.4201	10.6049	92,481	15,921	9.3	25.1263	20.6550	92,567	15,947	9.1	12.6370	3.4991
92,413	15,877	9.3	5.9724	13.2652	R.A. 23^h 56^m					92,685	15,949	8.2	12.7144	16.9870
92,495	15,881	8.8	6.6547	23.0259						92,762	15,950	8.8	12.8127	24.9109
92,508	15,884	9.3	7.8081	24.9292						92,553	15,951	8.9	13.7555	0.5329
92,323	15,886	9.6	9.1299	3.3869	..	15,916	8.7	0.3350	3.1782	92,676	15,955	9.3	15.6020	15.7688
92,310	15,891	8.5	12.3626	1.4357	92,717	15,917	9.4	0.8128	21.2057	92,631	15,956	9.2	15.6483	11.6121
92,467	15,897	9.4	14.0595	19.3056	92,564	15,920	8.5	2.8353	3.4691	92,594	15,958	8.6	17.4897	6.3762
92,400	15,898	9.4	14.8466	11.2977	92,718	15,921	9.3	3.1363	20.6393	92,742	15,968	9.0	19.5425	22.9021
92,458	15,899	9.4	15.7567	19.0813	92,589	15,924	8.2	4.6781	6.5183	92,678	15,970	9.4	20.3127	15.5683
92,471	15,901	8.9	17.1086	20.0796	92,590	15,925	9.2	5.4193	6.4961	92,657	15,971	9.3	21.0350	13.7466
92,308	15,903	7.5	18.6187	0.2321	92,712	15,929	9.1	6.9687	19.8931	92,743	15,974	8.9	21.7695	22.7573
92,328	15,904	9.1	18.7750	3.2326	92,625	15,931	9.3	7.2544	12.3085	92,658	5	9.1	25.7067	13.8513
92,472	15,906	9.1	19.5484	19.8695	92,639	15,936	8.1	9.5335	12.8337					

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ERRATA.

VOL. IV. ZONE -20° .

PAGE

40. No. 13773 *x*, for 12.494 read 12.447.
69. No. 24278 *x*, for 4.426 read 3.426.
119. Delete star No. 42364.
173. No. 61792 *x*, for 14.762 read 13.762.
217. Delete star No. 77589.

VOL. VII. ZONE -23° .

16. No. 4919* *x*, for 18.520 read 17.520.
28. No. 9216* *y*, for 7.504 read 7.540.
31. No. 10403, read 10403*.
,, No. 10405, delete *.
65. No. 22533, read 22633 in column 3.
128. No. 45159, read 45159*.
161. No. 57118 *y*, for 19.186 read 18.186.
182. No. 14773, read 64773.

